Subject: Re: Notable Coyote Program Updates
Posted by Paul Van Delst[1] on Tue, 23 Nov 2010 18:43:36 GMT

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Hello David,

Are you generating new tags of the updates in your repository as you complete them? Or are you waiting for the early
next year date?

cheers,

paulv

David Fanning wrote:
> Folks,
>
> As some of you have probably realized, I'm in the process
> of completely refurbishing my Coyote Library. This is what
> happens when you start writing a book. Explaining how
> something works gives you a MUCH better idea of how
> something *ought* to work!
>
> The work is on-going and probably won't be completely
> finished until early next year. But I wanted to give
> you a heads-up on a couple of notable changes today.
>
> I have made the TVScale command completely obsolete
> by moving all the unique TVScale functionality over
> to TVImage. This means you can scale images on the
> fly with TVImage using the "normal" scaling keywords:
> MinValue, MaxValue, Bottom, Top, and NColors.
>
> I particularly like the NCOLORS and BOTTOM keywords
> together, because you can immediately scale image
> data into, say, 12 colors like this:
>
>   IDL> LoadCT, 33, NColors=12, Bottom=1
>   IDL> TVImage, image, NColors=12, Bottom=1
>
> Pretty neat. :-)
>
> There is also a conflict in IDL 8 with the old IDL
> ARROW program, which is still in the IDL lib directory.
> This conflicts with the ARROW function, which is in
> the lib/graphics directory. If you want to use the
> *old* ARROW program, you need to name it something

> else. Since I was renaming it, and since I wanted to
> add additional functionality to it, including making
> it machine and color mode independent, I just decided
> to do it right, so I've named this FSC_Arrow and put
> it in the Coyote Library.
>
> Finally, I have replaced ZPLOT and ZIMAGE, which provide
> interactive zooming into line plots and images,
> respectively, with FSC_ZPlot and FSC_ZImage. These new
> programs are device and color independent, and
> FSC_ZImage now works with both 2D and True-Color images.
> Plus, it works correctly with images that are very, very
> large and wouldn't fit on your display.
>
> I've made other small changes to the new FSC_*** series
> of programs to make sure color variables don't change
> data type as a result of program manipulation.
>
> I appreciate the feedback from people who are using these
> programs. They are getting pretty darn good, if I do say
> so myself. :-)
>
> Cheers,
>
> David
>