If you are not a caller, and/or have limited use of programs like CSDS, you might want to try SdGraphics to transform formations from the Sd program to graphic images

SdGraphics is a free to use, open source Windows program. I believe it is most useful for single dancers. With the program you can go through a tip at your own pace, pause whenever you like, possibly check the call definition, and try to figure out how to reach the ending formation of each call.

SdGraphics requires a Sd file as input, so it requires knowledge of how to use the [Sd program](http://www.lynette.org/sd/download-pc.html).

Some VSD callers allow you to download dances you attend for free. You can also download recordings for a very small fee from Keith Rubows recordings page

SdGraphics creates a PDF file with all calls and resulting formations. It is your responsibility to enter the caller’s name which is shown in the copyright notice printed on each page

This file can be printed, or downloaded to a smartphone.

SdGraphics will also create a “zipped” (compressed) file with pictures of all formations and corresponding calls. These pictures can then be displayed one at a time, in a browser on your desktop or in a smartphone, using an html file (ZipViewer.html) delivered with the application. One click, and the call is displayed. Another click, and the resulting formation is displayed.   
ZipViewer currently has some problems, especially concerning large dancer matrixes.

SdGraphics can rotate all formations in a way that one selected dancer is shown with his/hers nose “up”. This option makes it easier for single dancers to check that you are standing in the right position.

SdGraphics will also create a PDF file with all calls and resulting formations.

This application still has some minor flaws, and more functionality can be added. Therefore I have decided to make SdGraphics Open Source, free for everyone to download and use, and possibly develop further. It is hosted on GitHub here: <https://github.com/trygveb/SdGraphics>

You can download the latest release here: https://github.com/trygveb/SdGraphics/releases/latest