Creation of a radial brightness profile

The program ds9 can be used to create a radial brightness profile. In the following two possibilities will be described:

Projection tool

1. Open the FITS file
2. Click on `projection tool` in *Region > Shape > Projection*
3. Mark the line at which the radial profile shall be created
4. In the popup window `projection` save the profile either as data table via *File > Save Data* as a *.dat file or alternative export the radial profile from the diagram window as a PostScript image via *File > Postscript Print*
5. Use gnuplot, tikz, pgfplots, WRplot, or alike (Excel would work, too) to create the profile

Line

1. Open the FITS file
2. Click on `line` in *Region > Shape*
3. Mark the line at which the radial profile shall be created
4. Double-click on the line
5. In the popup window create the profile via *Analysis > 2D Plot*
6. In the popup window `projection` save the profile either as data table via *File > Save Data* as a *.dat file or alternative export the radial profile from the diagram window as a PostScript image via *File > Postscript Print*
7. Use gnuplot, tikz, pgfplots, WRplot, or alike (Excel would work, too) to create the profile

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