

Creation of a radial brightness profile

The program ds9 can be used to create a radial brightness profile.

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

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Last update: **2016/06/28 00:04**

