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. Change 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: File > Save Data as *.dat file; alternative export from the diagram window as PostScript image: 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

From:

https://polaris.astro.physik.uni-potsdam.de/wiki/ - OST Wiki

Permanent link

https://polaris.astro.physik.uni-potsdam.de/wiki/doku.php?id=en:praktikum:sonnenrandverdunklung&rev=1418330705

Last update: 2014/12/11 20:45

