

How to read data?

Each simulation generate six or seven result files. The full name of the resulting files consists of a unique number, three or four letters defining the file's content and the filename extension.

Contents of the resulting files:

File name	Description
*info.txt	Contains simulation metadata
*dis.dat	Contains projection of events on the dispersion plane: first column – pixel number, second column – counts
*fit.dat	Contains projection of events on the dispersion plane taking into account a curvature of the simulated 2D-pattern: first column – pixel number, second column – counts
*foc.dat	Contains projection of events on the focusing plane: first column – pixel number, second column – counts
*d3d.dat	Contains detector matrix. Each number is the number of counts in one pixel
*det.bmp	Image on virtual detector
*pic.bmp	Image over virtual detector

Monocrystalline silicon wafer measurement files: **XRD_1.xrdml – XRD_6.xrdml, XRD_pj1.xrdml – XRD_pj21.xrdml.**