

New features in data collection and beamline controls As of 10/10/10

General:

- Blu-Ice is now JbluIce
- Error messages are improved when requesting invalid parameters

Hutch tab:

- Resolution predictor takes into account 2θ and displays all resolution circles

Sample tab:

- Wash and rinse added in “Sample Tools”.
- Annealing by CryoJet flow control and by moving the sample are together
- Motions are disabled during diffraction image measurement

Raster tab:

- Rastering cell sizes are determined semi-automatically when the grid size is entered
- Beam size is set automatically depending on the cell size
- “Position sync” is added
- Results are being written in a separate spreadsheet
- Fluorescence rastering results are displayed same way as diffraction rastering

Collect tab:

- Resolution predictor displays resolution rings correctly when 2θ is not 0
- Vector data collection feature is user-selectable

Screening tab:

- Spreadsheets with xlsx format are accepted
- “Update” button is added
- “Autoindex-Strategy” button added
- Right click on the spreadsheet window brings up pull-down menu
- Data collection parameters are independent from the Collect tab
- Mouse-over displays brief explanations
- Motions are disabled during diffraction image measurement

Scan tab:

- Center of the plot can be defined manually

Robot dewar:

- Improved dewars