

New features, 2014-2 run

General

- Because the IDB and IDD beamlines have different detectors, some of the software tools will differ between the beamlines. They will be pointed out correspondingly.

Sample tab

- Scale bar is added to the high resolution camera view. This bar will be 10 μm , 20 μm or 50 μm , depending on the zoom.

Screening tab

- Some gripper warmup cycles are now avoided, speeding up the overall robot operation.

Raster tab

- Abort button is added to close the shutter immediately and stop the collection, not waiting for the current frame to finish collecting.
- Rastering is now done in horizontal direction.
- The raster exposure time will not be allowed to go below a value such that the required horizontal speed would exceed the motor's limit.
- The cell limit is increased from 1,000 to 10,000 per raster job.
- IDD beamline only: If the oscillation angle is set to 0, rastering will be done shutterless within each row.
- IDD beamline only: SpotFinder processing is done on a separate computer using the Apache SpotFinder server to improve performance.
- ETA estimates now include transition times between the raster cells in shuttered mode (IDB) and the raster rows in the shutterless mode (IDD)

Collect tab

- IDD beamline only: frames within each discrete vector site are collected in shutterless mode.
- ETA estimates now include transition times between the vector sites.
- Abort button is added to close the shutter immediately and stop the collection, not waiting for the current frame to finish collecting.

Analysis tab

- Current data processing subset information displayed in the warning field of Analysis tab.
- A "Settings" sub-tab is added to allow overriding the default XDS parameters.
- Check box is added to allow reprocessing and simultaneous auto-processing with different XDS parameters.
- A button is added on the "Settings" tab to allow the lattice parameters to be imported.
- Data processing results can be browsed in passive mode.

Remote Access

- The NOMACHINE servers have been upgraded from version 3.5 to 4.2. It may cause incompatibility with old NX-3.5 clients. Please use NX-4.2 clients.