

New features, 2020-01 run

Upgrades in JBlulce

- The diffraction image display in JBlulce now has the resolution indicator tied with the mouse
- Wedge fields in the collect tab have new defaults: 30 degrees for standard mode, 5 degrees for vector/helical. In vector and helical modes, the number of sites per wedge will now be automatically updated to maintain as much as possible the total degrees per wedge.
- Strategy in the 0 tab will run with 1 image as well, but two images, 90 degrees apart are recommended for more reliable results. The old “Strategy” sub-tab in the 0 tab is renamed into “Legacy strategy” and functions as before. To view the results of the new strategy calculations, click on “Inspect Strategy Results”. It redirects the operator to Analysis tab where there is more information on strategy calculations. To create a new data collection tab with the recommendations from the strategy results, click on “Create New Run”.
- SONICC and Jet tabs, which are under development, may be visible to users but are disabled.

Beamline

- As part of the beamline rebuilding process into microfocus beamlines, new white beam slits (WBS) have been installed. While both beamlines are operational, intensities are somewhat lower than in previous runs, pending full commissioning of the WBS.
- A long, tapered beamstop was installed 23ID-B. This reduces the background produced by the air scatter.

Computers

- The icon (a detector image) on the desktop toolbar, which was used to start Frame Processing Engine (FPE) was removed. In the past, the host was starting the FPE and users had an access to it in case they needed to restart it. Now the FPE runs as a server and doesn't need to be started by the operator.