

New features, 2016-3 run

General

- Goniometer support on 23ID-B was modified to allow shorter detector-to-sample distance. Currently, the default minimum is 200mm.
- Extra curtain has been added to the 23ID-D hutch entrance for improved temperature stability.
- Due to an amplifier upgrade, DCM Intensity values are twice as high as the previous values. However, the actual beam intensity is unchanged.

Collect Tab

- In vector mode of data collection on 23ID-B, the discrete option, vector site check and overlaps are now functional.
- On 23ID-B, the inverse beam option has been tested in combination with vector mode.
- Data collection with multiple energies is available.

Analysis tab

- Resolution cutoff for both fast_dp and GMCAproc has been modified to include higher resolution data.
- The plots generated in auto-processing now use $1/\text{resolution}^2$ for the x-axis (instead of resolution in old graphs)

Computing

- ScienceDMZ network was made available to our users for the 2015-3 run cycle. We now offer two additional Globus endpoints on the ScienceDMZ network.
The old Globus endpoints (on the regular network) are gmca23idd#gridftp and gmca23idb#gridftp
The new Globus endpoints (for ScienceDMZ) are gmca23idd#gmca-dmz1 and gmca23idb#gmca-dmz2
If Globus endpoint on the user end is on a fast optimized network, increase in data rates up to 4 times can be expected.