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The Structural Biology Center User Program at the Advanced Photon Source, Argonne National Laboratory.
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The Argonne's Structural Biology Center (SBC) operates a national user facility for macromolecular crystallography at sector 19 of the Advanced Photon Source. Both the 19ID and 19BM beamlines are equipped with high-resolution optics, Kappa goniostat, a low noise, large area CCD detectors, advanced software for data analysis, processing and structure determination, and other equipment to enable the collection of best diffraction data on the most challenging projects. Highlights for this past year include the deposit of the 1000th structure in the PDB from data collected at the SBC, the commissioning of the SBC crystal mounting robot at 19BM, the availability of cooling crystals to 15-20K using a helium cryostat, and the a implementation of a version of HKL2000 that allows data processing through structure solution and model building in near real time. Information on the user program and the sector 19 beamlines will be provided and can also be obtained from the SBC web site (<http://www.sbc.aps.gov>).

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