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Present and Future Mail-in Crystallography Program at SER-CAT. Zhongmin Jin, Stephen Foundling, James Fait, Andrew Howard, John Gonczy, Marie Graham, John Chrzas, Univ. of Georgia and Southeast Regional Collaborative, Access Team, APS, Argonne National Laboratory, Argonne, IL 60439.

Mail-in Crystallography program was implemented to achieve the goal of providing quick result and better quality data for SER-CAT users. Many users from SER-CAT 22 member institutions have taken part in the program, and successfully generated many high-quality native, SAD, MAD data sets and several crystal structures. With the new development and implementation of beamline control and data collection software SERGUI, secure remote access through Access Grid technology, robotic sample mounting system, Linux cluster data processing capability and powerful crystallographic structure-solving pipeline; future MIC program will not only accommodate more user requests, but also facilitate more direct user involvement for better and efficient data collection. Details of current MIC program status and integration of future MIC program with beamline development will be discussed.