

W0233

**STaRBURSTT - CIC: CyberEnabled Instrumentation Access.** A.D. Hunter<sup>a</sup>, P.S. Szalay,<sup>i</sup> T.R. Wagner,<sup>a</sup> M. Zeller,<sup>a</sup> M. Bond,<sup>b</sup> R.J. Butcher,<sup>c</sup> G. Crundwell,<sup>d</sup> G.M. Ferrence,<sup>e</sup> K. Kantardjieff,<sup>f</sup> L. Ramirez,<sup>g</sup> T. Higgins<sup>h</sup>. a) Youngstown State Univ., b) South East Missouri State Univ., c) Howard Univ., d) Central Connecticut State Univ., e) Illinois State Univ., f) California State Univ. Fullerton, g) East Los Angeles College h) Harold Washington College i) Muskingum College.

The STaRBURSTT-CIC (Science Teaching and Research Brings Undergraduate Research Strengths Through Technology - CyberInstrumentation Consortium) is a national consortia of made up primarily of Predominantly Undergraduate Institutions, Historically Black Colleges and Universities, and Hispanic Serving Institutions having strong interests in X-ray diffraction. Continuing advances in hardware and software are making it increasing easy to collect and process data from modern scientific instruments. Undergraduates and other novices are therefore increasingly able to successfully use these tools in their coursework and research. Unfortunately, no Predominantly Undergraduate Institution has the resources to purchase and maintain any but a selected sample of the instrumentation that they would like to have access to. Remote access over the WEB via instrumentation consortia offer a potentially effective solution. The advantages and disadvantages to such a remote access approach will be discussed.

