15.6-6 CRYSTALLOGRAPHIC APPLICATIONS OF SYNCHROTRON RADIATION AT THE NATIONAL SYNCHROTRON LIGHT SOURCE CRYSTALLOGRAPHY STATION X-13B.* <u>Å. Kvick</u>, Chemistry Department, Brookhaven National Laboratory, Upton, NY 11973 USA.

A dedicated crystallography station at the National Synchrotron Light Source has been operating in an experimental mode since April 1986. The station is instrumented with a Huber four-circle diffractometer as well as a Enraf-Nonius oscillation camera. A double crystal monochromator (Si_{111}) produces tunable fixed-exit synchrotron radiation in the wavelength range 0.6-3.1 Å. The early experiments included data collectric materials subjected to high electric fields, data collections from proteins, anomalous dispersion studies as well as studies of multiple reflexions for use in crystallographic phase determinations.

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