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An environmental control box for serial crystallography enables multi-dimensional experiments

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Our new environmental enclosure for fixed-target, serial crystallography enables full control of both the temperature and humidity. This enclosure provides access to time-resolved, X-ray diffraction experiments in a wide temperature range from below 10 °C to above 80 °C. We demonstrate changes in the electron density of a hyperthermophile enzyme as a function of increasing temperature and time.

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