
CHANDRA SUPERNOVA REMNANT CATALOG

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We have made a Chandra catalog of supernova remnants (available on the World-Wide-Web at "<http://hea-www.harvard.edu/CHANDRASNR>"). The catalog is intended to present data useful in proposal preparation as well as in studies of the properties of supernova remnants. We have extracted the regions containing each remnant from cleaned Chandra ACIS and HRC fields that are in the public archive. As new data become public, they will be added. Images in selected X-ray energy bands and at other wavelength are all presented to the same scale. Some are smoothed to better visualize faint features. A three-color image illustrates spectral differences. Pulse height spectra are given for remnants as a whole and for selected features which vary from remnant to remnant. Tables give count rates, fluxes, and luminosities of remnants, and positions of serendipitous sources in the fields. Distances (from the literature) and column densities (from spectral models) used to derive luminosities are included. For each remnant there is a downloadable event file and various images in FITS, PS and JPG formats. Some images are incomplete. Most data were taken with the ACIS instrument which has a field-of-view of 8'x8' or 16'x16'. Sometimes even a subarray with field 1'x8' was used. If the data exist, several fields have been combined into a mosaic. The larger remnants, however, are generally only partially observed by Chandra.