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**Chandra X-Ray Analysis of Supernova Remnant 0506-68.0**

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Supernova Remnant 0506-68.0, also known as N23, is a morphologically complex supernova remnant in the Large Magellanic Cloud. A new analysis of Chandra X-ray Observatory data for N23 is undertaken to understand the morphology and evolutionary progress of the remnant. Modeling of SNR N23 using *vnei*, *vpshock*, and *vsedov* models is undertaken. Preliminary fits of the whole remnant using non-equilibrium ionization shock models: *vnei* and *vpshock* were performed. Fit results improved when specific regions of the target were analyzed with spatially-resolved spectroscopy. Chemical abundances in the various region of the remnant can be examined with this technique. The outermost region has been examined with a Sedov model which assumes a point explosion in a uniform medium. From the Sedov parameters, the explosion energy, mass of the swept up interstellar material, and the age of the remnant can be determined.