



## N49

Data from a long observation from NASA's Chandra X-ray Observatory, shown in blue, reveal evidence for a bullet-shaped object being blown out of N49, the aftermath of a supernova explosion in the Large Magellanic Cloud. The bullet is traveling at a high speed of about 5 million miles an hour away from a bright point source in the upper left part of N49. This bright source may be a so-called soft gamma ray repeater, an object that emits bursts of gamma rays and X-rays. Optical data from the Hubble Space Telescope (yellow and purple) show bright filaments where a shock wave generated by the supernova is interacting with the densest regions in nearby clouds of cool, molecular gas.

*January 2011*

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