



**Chandra X-ray  
Observatory Center**

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**SNR 0509-67.5:** A supernova remnant with a light echo in the Large Magellanic Cloud.  
(Credit: X-ray: NASA/CXC/Rutgers/J.Warren, J.Hughes; Optical (Light Echo): NOAO/AURA/NSF/Harvard/  
A.Rest et al.; Optical (LMC): NOAO/AURA/NSF/S.Points, C.Smith & MCELS team)

**Caption:** A panoramic view of the Large Magellanic Cloud (LMC) shows the location of the supernova remnant 0509-67.5 and a light echo that was generated when the massive progenitor star exploded. Chandra's image (upper right) shows the circular shape of the remnant detected in X-ray light. Optical data from ground-based telescopes show this light echo (lower right) traveling through space. This result marks the first time researchers combined two separate methods to estimate the energy of a supernova explosion.

**Scale:** Chandra inset is 1 arcmin across.

*Chandra X-ray Observatory  
ACIS Image*

*CXC operated for NASA by  
the Smithsonian  
Astrophysical Observatory*

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