

Technical University of Denmark



GRS 0834-43

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GRS 0834-43

S. Brandt, A. J. Castro-Tirado, and N. Lund, Danish Space Research Institute, report: "The x-ray transient GRS 0834-43 (GS 0834-430; [IAUC 5122](#), [5139](#), [5142](#), [5145](#), [5180](#)) has been observed by the WATCH all-sky monitor on EURECA during May 4.3-5.1 and 5.5-7.1 UT. The flux from the source averaged 200 +/- 50 mCrab at 6-20 keV. Pulsations were not detected above 50 mCrab in the pulsed fraction. During observation periods Feb. 3-13, Mar. 14-Apr. 10, and Apr. 25-26, the source was not detected with a limit of 50 mCrab. The 0.5-degree-radius error circle (3-sigma) of the WATCH detection does not rule out MX 0836-42 as the source of the x-ray flux."

SUPERNOVA 1993J IN NGC 3031

J. M. Marcaide, Universitat de Valencia; A. E. E. Rogers, Haystack Observatory; A. Alberdi, J. C. Guirado, and A. Rius, Consejo Superior de Investigaciones Cientificas, Spain; P. Elosegui and I. I. Shapiro, Harvard-Smithsonian Center for Astrophysics; E. Perez, Instituto de Astrofisica de Canarias; and A. R. Whitney, Haystack Observatory, report: "Using an interferometer composed of NASA's Deep Space Network 70-m antenna in Madrid, Spain, and the Haystack Observatory's 18-m antenna in Westford, MA, at a wavelength of 3.6 cm during Apr. 24.90-25.06 UT, we detected SN 1993J. Fringe spacing was about 0".0014. We used Mark III recording equipment, synthesized a 64-MHz band, and correlated the data at the Haystack Observatory. This first VLBI detection of SN 1993J yields a size (FWHM for a circular gaussian source model) of 0".00025 +/- 0".0001, assuming a total flux density of 13.4 mJy ([IAUC 5775](#))."

Corrigendum. On [IAUC 5780](#), line 13, for (see also [IAUC 5577](#))."
read (see also [IAUC 5777](#))."

V1974 CYGNI

G. F. Lawrence, R. D. Gehrz, and K. J. Draeger report infrared observations of V1974 Cyg (N Cyg 1992) obtained at the University of Minnesota's O'Brien Observatory 0.76-m telescope (+ InSb detector): Apr. 21.3 UT, H = 11.55 +/- 0.08, K = 10.62 +/- 0.05, L' [3.8 microns] = 7.10 +/- 0.15. The beam size was 27" and the throw between the source and reference beams was 40".