

IAUC 6814: XTE J0054-720; NGC 2060; C/1995 O1

The following [International Astronomical Union Circular](#) may be linked-to from your own Web pages, but must **not** otherwise be redistributed (see [these notes on the conditions under which circulars are made available on our WWW site](#)).

[Read IAUC 6813](#)  **Search**   [Read IAUC 6815](#)

View IAUC 6814 in [.dvi](#) or [.ps](#) format.

Display IAUC number Clear

Circular No. 6814

Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION
Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 0
IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)
BMARSDEN@CFA.HARVARD.EDU or DGREEN@CFA.HARVARD.EDU (science)
URL <http://cfa-www.harvard.edu/iau/cbat.html>
Phone 617-495-7244/7440/7444 (for emergency use only)

XTE J0054-720

J. C. Lochner, Goddard Space Flight Center (GSFC) and Universities Space Research Association (USRA); F. E. Marshall, GSFC; L. A. Whitlock, GSFC and USRA; and N. Brandt, Pennsylvania State University, note: "RXTE detected a new pulsating object (period 169.30 s) on 1997 Dec. 17 in the direction of the Small Magellanic Cloud; the object has a 2-10-keV flux of 6.0×10^{-11} erg sE^{-1} cmE^{-2} . Scans made across the region on Dec. 20 revealed a single source located at R.A. = 0h54m.6, Decl. = -72o04', (equinox 2000.0; estimated error circle 10'). By this time, the source had brightened to 8.3×10^{-11} erg sE^{-1} cmE^{-2} . Pulsations have persisted in observations taken through 1998 Jan. 12, with a monotonic decrease in the period to 168.40 s, and a decrease in the flux to 3.3×10^{-11} erg sE^{-1} cmE^{-2} . Pulsations from XTE J0053-724 ([IAUC 6788](#), [6789](#)) and AX J0051-722 ([IAUC 6803](#)) persist in a number of these observations. Simultaneous BeppoSAX and RXTE observations of the region are planned for Jan. 28."

NGC 2060

G. Cusumano, M. C. MacCarone, T. Mineo, and B. Sacco, Istituto di Fisica Cosmica con Applicazioni all'Informatica, CNR, Palermo, report: "Analysis of archival data acquired with the MECS instrument onboard the BeppoSAX X-ray Observatory confirms the RXTE detection of pulsations in NGC 2060 ([IAUC 6810](#)). BeppoSAX observed the LMC field on 1996 Oct. 25-26, and NGC 2060 was 16' off-axis in the MECS field-of-view. In the energy band 2-10 keV, a pulsed signal was detected with a period of 0.016114775(4) s (in agreement with the extrapolated RXTE value); the folded lightcurve is has a single peak; the observed pulsed countrate, 0.0037 ± 0.0006

counts/s, corresponds to a flux of 5.9×10^{-13} erg cm⁻² s⁻¹."

COMET C/1995 O1 (HALE-BOPP)

P. R. Holvorcem, Departamento de Matematica, Universidade Estadual de Campinas, reports that the straight tail/antitail of C/1995 O1 reported on [IAUC 6812](#) is visible faintly on an image obtained by co-adding three CCD exposures taken around Jan. 23.055 UT with a 0.20-m f/3.3 reflector. A relatively uniform distribution of faint comet material is bounded by the tail and antitail in p.a. about 21 and 197 deg, respectively, covering its eastern side out to at least 15' from the nucleus and overlapping most of the (much brighter) main dust tail. These images are available at <http://www.ime.unicamp.br/~holvorce>.

(C) Copyright 1998 CBAT
(6814)

1998 January 28

Daniel W. E. Green

[Read IAUC 6813](#)  **Search**   [Read IAUC 6815](#)

View IAUC 6814 in [.dvi](#) or [.ps](#) format.

[Our Web policy](#). [Index](#) to the CBAT/MPC/ICQ pages.

