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GRS 1915+105

J. Greiner, Max-Planck-Institut für Extraterrestrische Physik, Garching, communicates: "Using a ROSAT HRI observation of the 1992 transient GRS 1915+105 in Aquila, its x-ray position has been determined to $\sim \pm$ $10''$ accuracy: $\alpha = 19^{\rm h}15^{\rm m}11^{\rm s}.8$, $\delta = +10°56'47''$ (equinox 2000.0). A check of the second Palomar Sky Survey plates (courtesy of N. Reid, Palomar Observatory) has revealed three highly reddened stars fainter than magnitude $R = 21$ within the $10''$ x-ray error box. Two of these objects are variable between 1992 June 10 and Aug. 8: one has brightened (as the x-ray source; cf. *IAUC* 5619), while the other has become fainter. The radio position (*IAUC* 5773) is $\sim 5''$ from the central position given above and coincides in position with the third, non-variable optical object. Optical spectroscopy is in progress."

PSR 0540–693

A. Shearer, M. Redfern, T. Rowold, P. O'Kane, R. Butler, and C. O'Byrne, University College, Galway; and H. Pedersen, Copenhagen University Observatory, communicate: "We have observed the position of the optical pulsar 0540–693 (Middleditch and Pennypacker 1985, *Nature*, **313**, 659) using the European Southern Observatory's New Technology Telescope (+ UCG/DIAS/ESO MAMA image sharpening camera, TRIFFID) on 1993 Jan. 15-16. On each night, the 19.838-Hz barycentric power spectrum component (computed from the pulsar period given in Manchester *et al.* (1993, *Ap.J.* **403**, L103) showed a single spatial peak, consistent in height with Middleditch and Pennypacker, in the center of the nebulosity and coincident with the northern maximum of Caraveo *et al.* (1992, *Ap.J.* **395**, L103)."

α PISCIS AUSTRINI

V. Mannings and J. P. Emerson, Department of Physics, Queen Mary and Westfield College, London, report: "We find a 3σ upper limit of 24 mJy at 1.3 mm for α PsA (Fomalhaut), the observation acquired in excellent conditions on Apr. 28.72-28.75 UT using the James Clerk Maxwell Telescope (+ UKT14) at Mauna Kea. A $19''.8$ beam and $90''$ chop in azimuth were used. This upper limit is a factor of 2 below the 1.3-mm detection reported on *IAUC* 5732."

1993 May 10 *Daniel W. E. Green*