

Hercules X-1 Extended Low State

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Recently a failed high state turn-on in the 35d cycle of Her X-1, which is thought to be caused by the precession of a tilted accretion disk, was observed with the RXTE. This has been seen only twice before; in 1983 and again 1993. We present timing and spectral results of this latest extended low obtained 1999 April 26. Pulsations were observed in the 2-20keV band but with a small pulse fraction. Preliminary spectral analysis indicates 70% absorbed emission ($N_{\text{H}} = 7 \times 10^{23}$) with the remainder unabsorbed. This is consistent with a swelling of the accretion disk causing the extended low.