

THE X-RAY TIME VARIABILITY OF LSI+61^o303

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LSI+61^o303 was discovered in 1977 to be a strong, variable radio source and was proposed to be the counterpart of the COS-B γ -ray source 2CG0135+01 (Gregory, Taylor, 1978, Nature, 272, 704). The radio light curve exhibits outbursts whose periodicity corresponds to the optical periodicity of the orbital motion. LSI+61^o303 has been also identified as an x-ray source and an MeV γ -ray source. Long-term continuous x-ray monitoring of LSI+61^o303 by the RXTE/All-Sky-Monitor has now been carried out for a period of 5 years. These data are analyzed and the resulting time variations are summarized. The results are compared to those from radio studies and from a previous x-ray study covering a period of ten months.