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X-ray Eclipses in the 2010 January Outburst of the Recurrent Nova U Scorpii? LAURA VEGA, LAURA MCMASTER, MARILYN MOORE, SABRINA ENGELHARDT, ERIC SCHLEGEL, UTSA, ASHLEY PAGNOTTA, LSU — The recurrent nova U Scorpius (U Sco) is an eclipsing system with an orbit inclination of 80-83 degrees and for which the secondary blocks the light from the primary for $\sim$0.1 of the orbit in the optical. A clean test of the origin of the X-ray flux in the burst is made possible by U Sco: if X-rays arise from the proximity of the white dwarf, then we must detect X-ray eclipses and the exact shape of the eclipse determines the nature of the distribution of emitting matter. We describe the comparison of X-ray spectra obtained in and out of eclipse.

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