Abstract Submitted for the TSS15 Meeting of The American Physical Society

Observations and Analysis of the New Dwarf Nova ASASSN-14cv ANTHONY KERSTING, RICHARD OLENICK, ARTHUR SWEENEY, Univ of Dallas — On June 21, 2014 a new bright cataclysmic variable star, ASASSN-14cv, was detected in the constellation Draco by the All-Sky Automated Survey for Supernovae, ASAS-SN. The 13th magnitude CV matches to a blue 19th magnitude SDSS star, but no previous outburst data is to be found in CRTS data. During followup observations performed using the University of North Texas' Monroe Robotic Observatory, the CV was observed over the course of ten nights for a total of 495 images from its early plateau stage until quiescence. Ensemble photometry performed on the raw images was used to produce light curves for the CV which were then analyzed in order to determine an early superhump period of 0.0592 d. During quiescence the orbital period was measured to be 0.0609 d. Early outburst data is rare and few observers go on to perform careful analysis of such data, making these results of particular interest in studying CVs.

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Date submitted: 05 Feb 2015

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