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Measurements of Extrasolar Planetary Transits KYLE MEZIERE, NICOLAS WISEMAN, JARED ROVNY, ELISE DINEHART, BLAISE DUFRAIN, ANDREW BECHTER, ERIC BECHTER, RICHARD OLENICK, ARTHUR SWEENEY, University of Dallas — A campaign to measure properties of extrasolar planets using the transit method was undertaken at the University of Dallas using a C-14 telescope and SBIG 2000XM CCD camera. We successfully recorded transits of TrES-1b, Wasp-3, and HatP1. The C-14 exposure and tracking data (on WASP-3) indicate that we can probably effectively monitor stars to 13.5 or 14 magnitude with the C-14. We present the transit data, modeling, and determined planetary characteristics. The equipment used in this research was comparatively inexpensive and widely available and can be implemented at other small universities.

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