

Abstract Submitted  
for the 4CF09 Meeting of  
The American Physical Society

**Development of a wavelet based tool for variability statistical analysis** RYAN PRICE, University of Utah, VERITAS COLLABORATION — It can sometimes be problematic to distinguish between variations in data on a light curve due to interesting occurrences and statistical or background noise. By using a simple Haar wavelet transform on the data with error propagation through the coefficients calculation, it becomes possible to establish the confidence level with which variability at specific time scales is observed. Advantages and disadvantages of the Haar wavelets over other basis are discussed and example applications are presented.

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Date submitted: 23 Sep 2009

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