

Abstract Submitted
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An account of the discovery of two un-cataloged variable stars on the KOI 1152 field during the summer of 2012 as part of the REU program at Brigham Young University PAMELA LARA, Utah Valley University, MIKE D. JONER, Brigham Young University — While reviewing the graphs depicting the changes in magnitude for several stars this researcher came across two very interesting light curves. These curves showed increases and decreases in luminosity with a periodicity proper of eclipsing binary star systems, group that belongs to the extrinsic variable family of the variable stars classification (1). The finding of the stars was incredibly exciting but what made the discovery even more thrilling was the fact that there was no information available nor evidence of previous studies conducted on the subjects. The data was obtained from several nights of observation using the 0.32-m and the 0.91-m telescopes at West Mountain Observatory -property of BYU- and analyzed, processed and reduced using the differential photometry technique and the IRAF incorporated system.

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