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A NEW ECLIPSING BINARY IN SAGITTARIUS

An eclipsing binary at $18^{\text{h}} 01^{\text{m}} 25^{\text{s}}$ and $-28^{\circ} 25'.1$ was discovered at the Maria Mitchell Observatory using the positive-negative method. Approximately 800 Nantucket and Harvard plates taken between JD 2425847 and JD 2440815 were used to determine the period. $\text{MIN} = 2430094.536 + 30.636N$ satisfied all of the observations (Figure 1). The duration of the eclipse is 1.225 days. No secondary minimum was observed. The star is magnitude 10.9 (pg.) at maximum and 14.1 during an eclipse. The magnitudes were derived from Harvard-Groningen Selected Area 158 and the Harvard variable star sequences in VSF 193.

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