

GSC 01887-01240: A New Eclipsing Binary?

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During the CCD photometric observations for one of our observing program stars, AH Aur (BD +28 1116, HD 256902), it is found that GSC 01887-01240 (α 2000=06^h 26^m 23^s.89, δ 2000=+27° 56' 44".2, $V=10.^m75$, $B-V=0.^m35$), which was chosen as a check star for AH Aur, may be a new eclipsing binary.

GSC 01887-01240 has been observed on five nights between January and February 2000 with a 61 cm reflector at Sobaeksan Optical Astronomy Observatory in Korea. The *BVR* light curves of GSC 01887-01240 show that the lights in all three colors between JD 2451570.03 and JD 2451570.28 were suffered from large variations of about 0.^m33. The behavior of such variations may seem to be due to an eclipsing nature. From our observations three times of minimum lights for the new variable star were obtained with the method of Kwee & van Woerden as JD 2451570.2324(± 0.0009) in *B*, JD 2451570.2360(± 0.0020) in *V*, and JD 2451570.2365(± 0.0006) in *R*, respectively.

Future photometric as well as spectroscopic observations are urgently needed to reveal the properties of the light variability of GSC 01887-01240.