

Central Bureau for Astronomical Telegrams
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(1344) CAUBETA

B. Christmann, Soucieu-en-Jarrest, France; P. Pravec, K. Hornoch, H. Kucakova, and P. Kusnirak, Ondrejov Observatory; D. Pray, Sugarloaf Mountain Observatory, South Deerfield, MA, U.S.A.; V. Benishek, Belgrade Astronomical Observatory; R. Montaignut and A. Leroy, OPERA Observatory, France; A. Marchini, R. Papini, and F. Salvaggio, Dipartimento di Scienze Fisiche, Della Terra e Dell'Ambiente, University of Siena; A. Aznar Macias, Astronomia Para Todos Observatories Group, Spain; and M. Serra-Ricart and J. Licandro, Instituto de Astrofisica de Canarias, report that photometric observations obtained with a 0.20-m telescope at Soucieu-en-Jarrest, a 0.65-m telescope at Ondrejov Observatory, a 0.50-m telescope at the Sugarloaf Mountain Observatory, a 0.35-m telescope at the Sopot Observatory in Serbia, a 0.20-m telescope at the OPERA Observatory, a 0.30-m telescope at the Astronomical Observatory of the University of Siena, and a 0.45-m telescope at Observatorio del Teide during Feb. 17-Mar. 26 reveal that minor planet (1344) is a binary system with an orbital period of 42.40 +/- 0.03 hr. The primary shows a period of 3.12219 +/- 0.00006 hr and has a lightcurve amplitude of 0.43 mag at solar phases 5-9 deg. Mutual eclipse/occultation events that are 0.08 to 0.16 magnitude deep indicate a lower limit on the secondary-to-primary mean-diameter ratio of 0.27. The mean absolute magnitude in the Cousins R photometric system is $H_R = 12.79 \pm 0.06$, assuming the phase relation slope parameter $G = 0.24 \pm 0.11$.

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