

Central Bureau for Astronomical Telegrams
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(6100) KUNITOMOIKKANSAI

M. Conjat, Observatoire de la Cote d'Azur; F. Colas, Observatoire de Paris, IMCCE; R. Montaignut, Club d'Astronomie de Lyon Ampere; R. Behrend, Geneva Observatory; and M. Devogele, B. Carry, D. Vernet, and J.-P. Rivet, Observatoire de la Cote d'Azur, report that photometric observations taken with a 0.40-m telescope at Nice Observatory, a 1.0-m telescope at the Pic du Midi Observatory, and a 1.0-m telescope at Calern Observatory during Dec. 2016-Mar. 2017 reveal that minor planet (6100) is a binary system with an orbital period of 18.46 +/- 0.02 hr. The primary shows a period of 4.3018 +/- 0.0011 hr with light-curve amplitudes of 0.11 mag at solar phase 4 degrees and 0.22 mag at solar phase 25 degrees, suggesting a nearly spheroidal shape. Mutual eclipse/occultation events that are 0.15 to 0.27 magnitude deep indicate a lower limit on the secondary-to-primary mean-diameter ratio of 0.38.

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