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THE ORBITAL PERIOD OF RR PICTORIS

The first photoelectric observations of the exnova RR Pic have been obtained by van Houten (1966, BAN 18, 439) revealing a "Cepheid-like" variation with a period near 3.5 hours. Mumford (1971,ApJ 165, 369) confirmed van Houten's period but he was not able to improve it due to the unknown cycle difference between the two epochs. New photoelectric observations with the lm telescope of the European Southern Observatory (La Silla, Chile) in Dec. 1972 (UBV) and in Jan.1974 (high speed mode, white light) confirm the variations reported above and render possible the determination of a unique cycle relation between all available observations. The resulting elements for the light maximum of RR Pic are

HJD
$$(Max) = 2438815.379 + 0.1450255 \cdot E$$

 ± 3 ± 2 $(m.e.)$

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