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CCD observations of the flickering of the recurrent nova RS Oph

ATel #1220; **R. K. Zamanov & R. Bachev (Institute of Astronomy, Sofia, Bulgaria)**
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We have observed the recurrent nova RS Ophiuchi in Johnson V filter using the 60 cm telescope of the Belogradchik Astronomical Observatory of Bulgarian Academy of Sciences. We detected variability on time scale of minutes-to-hour (flickering). In the Table are given the start of the run in fractional days UT, duration of the run in minutes, number of the CCD exposures (N), minimal and maximal values of the V band magnitudes, amplitude of the variability (corrected for the observation errors), standard deviation of RS Oph. The exposure time is 120 s, and typical accuracy of our observations is about +/-0.01 mag, the sigma of the field stars with similar (or lower than RS Oph) brightness is < 0.015 mag.

Date UT	Duration [min]	N	V [mag]	A [mag]	sigma [mag]
2007 June 13.84	66	30	10.78 - 10.97	0.19	0.063
2007 July 07.91	73	27	10.81 - 11.01	0.20	0.065

The optical flickering of RS Oph disappeared after the 2006 recurrent nova outburst (see ATel 832 and IBVS 5733) and resumed in October 2006 (Worters et al. 2007, MNRAS, 379, 1557). Our observations confirm that the flickering is now present and the star has brightness about 10.7-11.0 in V band.

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