

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 5269

Konkoly Observatory
Budapest
1 May 2002

HU ISSN 0374 – 0676

**CCD LIGHT CURVES OF ROTSE1 VARIABLES, XIV: GSC 1996:437 Com,
GSC 2004:784 CV_n, GSC 2001:300 Boo AND GSC 3026:1046 CV_n**

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Observatory and telescope:	
Private observatory Schüsselacher, Wald, 0.15-m Starfire refractor	

Detector:	SBIG ST-7 CCD camera
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Method of data reduction:	
Standard CCD-frame reduction using AIP4WIN software	

Method of minimum determination:	
Kwee – van Woerden algorithm	

Observed star(s):				
Star name	GCVS type	Coordinates (J2000) RA Dec		Comp./check star(s)
GSC 1996:437				
ROTSE1 J131424.16+271131.6	EW	13 14 24.2	+27 11 32	GSC 1996:1314 / GSC 1996:1114
GSC 2004:784				
ROTSE1 J133638.49+281139.0	EW	13 36 38.5	+28 11 39	GSC 2004:424 / GSC 2004:1406
GSC 2001:300				
ROTSE1 J133659.37+265247.6	EW	13 36 59.4	+26 52 48	GSC 2001:193 / GSC 2001:285
GSC 3026:1046				
ROTSE1 J133726.05+373458.4	EW	13 37 26.0	+37 34 58	GSC 3026:979 / GSC 3026:922

Ephemeris:				
Star name	E 2400000+	P [day]	Source	
GSC 1996:437	52308.4688	0.412749	present paper	
GSC 2004:784	52308.4873	0.2720494	"	
GSC 2001:300	52308.4567	0.367879	"	
GSC 3026:1046	52296.6908	0.349271	"	

Times of minima:						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	$O - C$ [day]	Rem.
GSC1996:437 (Com)	51274.7388	15	s	none		ROTSE1
	51306.7291	8	p	none		ROTSE1
	52285.5617	9	s	none		Blättler, 2002
	52287.6248	10	s	none		Blättler, 2002
	52296.4972	11	p	none		Blättler, 2002
	52296.7039	34	s	none		Blättler, 2002
	52308.4679	7	p	none		Blättler, 2002
	52308.6766	11	s	none		Blättler, 2002
	52344.3776	10	p	none		Blättler, 2002
	52344.5872	7	s	none		Blättler, 2002
GSC2004:784 (CVn)	51281.6391	7	s	none		ROTSE1
	51310.8800	9	p	none		ROTSE1
	52285.4971	52	s	none		Blättler, 2002
	52285.6350	8	s	none		Blättler, 2002
	52287.5393	14	p	none		Blättler, 2002
	52296.5184	11	p	none		Blättler, 2002
	52296.6545	13	s	none		Blättler, 2002
	52308.4858	10	p	none		Blättler, 2002
	52308.6253	9	s	none		Blättler, 2002
	52344.3989	12	p	none		Blättler, 2002
GSC2001:300 (Boo)	52344.5340	4	s	none		Blättler, 2002
	52347.3888	17	p	none		Blättler, 2002
	51288.8770	8	s	none		ROTSE1
	51304.8864	13	p	none		ROTSE1
	52285.6431	12	p	none		Blättler, 2002
	52287.4875	19	p	none		Blättler, 2002
	52296.4993	16	s	none		Blättler, 2002
	52296.6830	8	p	none		Blättler, 2002
	52308.4565	21	p	none		Blättler, 2002
	52308.6451	9	s	none		Blättler, 2002
GSC3026:1046 (CVn)	52344.3277	15	s	none		Blättler, 2002
	52344.5103	9	p	none		Blättler, 2002
	52347.4509	33	p	none		Blättler, 2002
	51259.7031	6	p	none		ROTSE1
	51310.8766	18	s	none		ROTSE1
	52285.5102	12	p	none		Blättler, 2002
	52285.6886	4	s	none		Blättler, 2002
	52287.6107	6	p	none		Blättler, 2002
	52296.5182	11	s	none		Blättler, 2002
	52296.6901	8	p	none		Blättler, 2002
	52308.5659	5	p	none		Blättler, 2002
	52308.7351	21	s	none		Blättler, 2002
	52344.3681	7	s	none		Blättler, 2002
	52344.5409	6	p	none		Blättler, 2002
	52347.3352	3	p	none		Blättler, 2002

Explanation of the remarks in the table:

ROTSE1: Observations of Akerlof et al. (2000).
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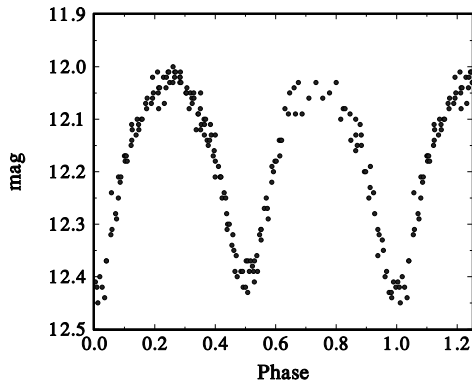


Figure 1. CCD light curve (without filter) of GSC 1996:437

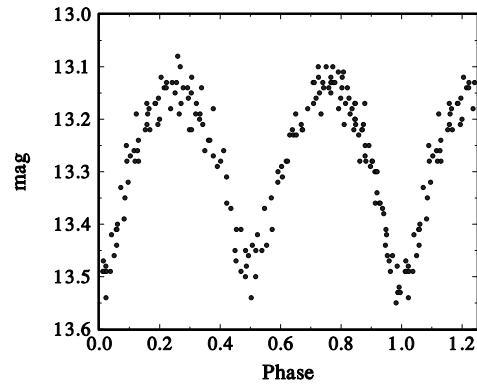


Figure 2. CCD light curve (without filter) of GSC 2004:784

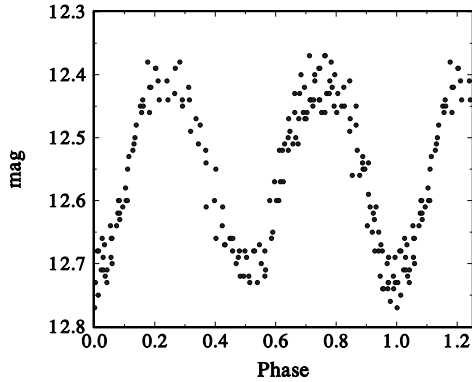


Figure 3. CCD light curve (without filter) of GSC 2001:300

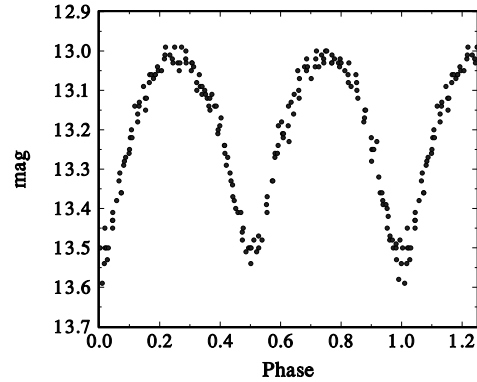


Figure 4. CCD light curve (without filter) of GSC 3026:1046

Remarks:

As a byproduct of the ROTSE1 CCD survey, a large number of new variables have been discovered (Akerlof et al., 2000). In a series of papers, we report unfiltered CCD observations for some of the close binary systems (type EW) in the list of Akerlof et al. (2000). This installment contains information on four variables in the constellations Com, Boo and CVn. The four stars were observed with our CCD equipment during 6 nights between JD 2452285 and JD 2452347. A total of 184 CCD frames were measured of GSC 1996:437, 179 frames of GSC 2004:784, 183 frames of GSC 2001:300 and 190 frames for GSC 3026:1046. Figures 1 through 4 show our observations folded with the elements given in the table of Ephemeris. These elements of variation are deduced from a linear fit to the normal minima from the ROTSE1 data and the timings of minimum derived from our data given in the table of Times of minima.

Availability of the data:

Upon request from diethelm@astro.unibas.ch

Acknowledgements:

This research made use of the SIMBAD data base, operated at CDS, Strasbourg, France

References:

- Akerlof, C., Amrose, S., Balsano, R., Bloch, J., Casperson, D., Fletcher, S., Gisler, G., Hills, J., Kehoe, R., Lee, B., Marshall, S., McKay, T., Pawl, A., Schaefer, J., Szymanski, J., Wren, J., 2000, *AJ*, **119**, 1901
- Blättler, E., 2002, *BBSAG Bulletin*, **127**