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CCD PHOTOMETRY OF THE ECLIPSING BINARY AU DRACONIS

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Name of the object:	
AU Draconis = BV 53 = GSC 4421.2005 = FL 2241	
Equatorial coordinates:	Equinox:
R.A. = 17 ^h 35 ^m 21 ^s .25 DEC. = +68°38'18".6	J2000.0
Observatory and telescope:	
Ondřejov Observatory, 0.65-m reflecting telescope	
Detector:	CCD camera SBIG ST-6
Filter(s):	V, R
Comparison star(s):	GSC 4421.2223
Check star(s):	GSC 4421.1750
Transformed to a standard system:	No
Availability of the data:	
Through IBVS Web-site	
Type of variability:	EB
Remarks:	
New times of minimum light (HJD, filter, number of measurements):	
47871.417	visual 16
50444.6617	R 58
50445.6922	V 47
50525.5593	R 26
New light elements:	
Pri.Min. = HJD 24 50445.692 + 0.5152668 × E	0.001 0.0000001
Color indices V–R: 0.24 for the comparison star, 0.35 for the check star 0.21 for the variable near maximum, with an error of about 0.05 mag.	

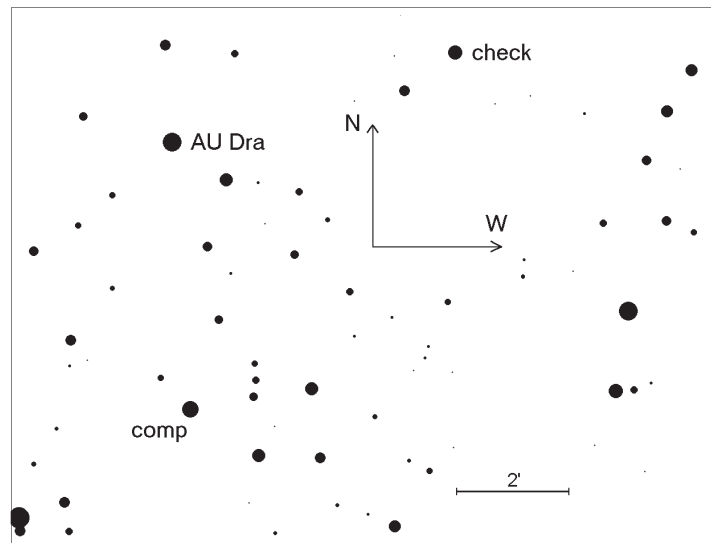


Figure 1. Identification chart of AU Dra with the size of the field $12.6' \times 9.6'$.

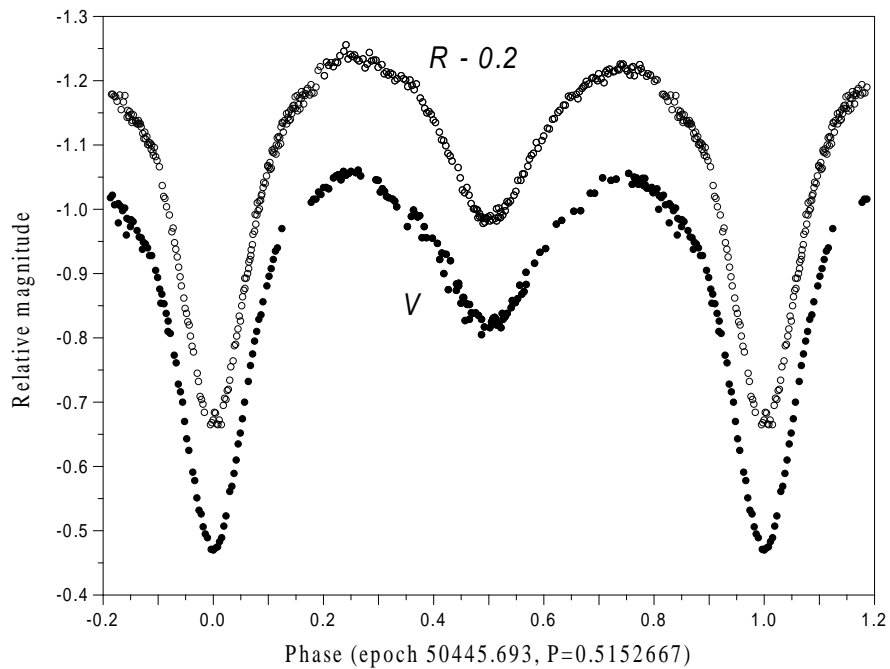


Figure 2. Composite differential lightcurve of AU Dra for the period of 0.51527 days. *V* and *R* magnitudes are relative to the comparison star. For clarity, the *R* light curve was shifted by 0.2 mag.