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PHOTOELECTRIC BVR OBSERVATIONS OF RR LYRAE STAR V381 Cyg

V381 Cyg is an RRab star with elements (Kholopov et al., 1985):

$$\text{Max=JD hel } 2439005.667 + 0^{d}.6100146 \times E \qquad (1)$$

This star has not been observed photoelectrically before. We have observed V381 Cyg with the 60-cm reflector of the Mt. Maidanak Observatory of the Tashkent Astronomical Institute, 19 BVR measurements were carried out in September 1991.

The observations are presented in Table 1 and plotted in Figure 1. The estimated error of the individual data is about ±0.15 mag. Light curves in Figure 1 show that the elements (1) do not need improvement.

It is a pleasure to thank Dr. V. S. Shevchenko for the observing time necessary to carry out the present observations.

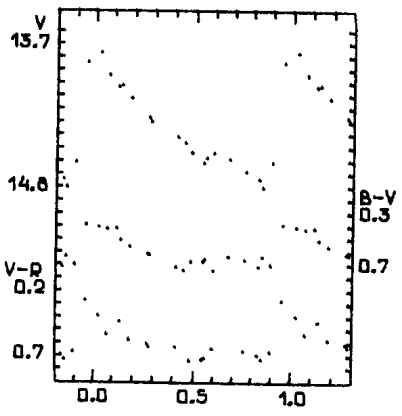

Figure 1

Table 1

JD Hel 2400000+	Phase	V	B−V	V−R
48503.3167	0.545	14.621	0.675	0.731
48504.2474	0.071	13.943	0.425	0.541
48505.2786	0.761	14.685	0.664	0.666
48506.2855	0.412	14.422	0.722	0.633
48507.2694	0.025	13.767	0.409	0.395
48508.2284	0.597	14.537	0.749	0.644
48509.2552	0.280	14.303	0.625	0.636
48510.2426	0.899	14.609	0.704	0.667
48511.2522	0.554	14.573	0.655	0.715
48512.2458	0.182	14.126	0.562	0.582
48513.2533	0.834	14.740	0.716	0.696
48514.2595	0.483	14.544	0.673	0.742
48515.2678	0.136	14.021	0.512	0.430
48516.3151	0.853	14.808	0.634	0.731
48517.2884	0.449	14.469	0.744	–
48518.3069	0.118	14.035	0.418	–
48519.2581	0.678	14.590	0.632	–
48520.2304	0.272	14.273	0.621	0.612
48521.2561	0.953	13.845	0.384	0.271

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Reference:

Kholopov, P. N. et al., 1985, General Catalogue of Variable Stars, Vol. II., Moscow, "Nauka"