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NOTE ON THE RRab STAR AT ANDROMEDAE

This star was studied by Tchumak [1] about ten years ago. Using visual and photographic observations he arrived at the conclusion that the star had Blažko-effect. He determined a secondary period of 82.75 days from the phase oscillations of the observed maxima.

In order to investigate the suspected light curve variation, almost one thousand photoelectric observations were obtained in yellow and blue light with the 24 in. and 20 in. telescopes of the Konkoly Observatory between August 17, 1974 and January 20, 1975. As comparison star we used BD $+42^{\circ}4739$ (V=9.465 and B-V=+0.372 s. Sturch [2]).

From our photoelectric observations no significant variations have been found in phase or height of the 13 observed maxima. In addition, our B and V observations are in very good agreement with the observations obtained by Fitch et al. [3] in 1965.

In the first two columns of the Table the times of the observed maxima and the O-C values are given, using the elements:

$$2442343^{d}.4204+0^{d}.61691469\cdot E$$

In the third and fourth columns the heights of the maxima relative to the comparison star are listed in B and V light, respectively.

J.D.max.hel.	O-C	ΔM_V	ΔM_B	J.D.max.hel.	O-C	ΔM_V	ΔM_B
2442277.4110	+0.0005	0.96	0.99	2442367.4810	+0.0009	-	-
304.5565	+0.0017	0.98	1.01	369.3290	-0.0018	0.96	0.99
307.6405:	+0.0012:	-	-	403.2644:	+0.0033:	0.96:	0.98:
309.4887	-0.0014	0.95	0.99	422.3849	-0.0006	0.99	1.01
319.3592	-0.0015	0.98:	1.00:	424.2338	-0.0024:	0.99	1.01
343.4205	+0.0001	1.00	1.02	432.2550	-0.0011	0.98	1.00
361.3110	+0.0001	0.98	1.00				

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[1] O.V. Tchumak, 1965, Peremenny Zvezdy 15, 569.
[2] C. Sturch, 1966, Ap.J. 143.774. and J.Kim,C.Sturch,1967,PASP 79.72
[3] W.S. Fitch, W.Z. Wisniewski and H.L. Johnson, 1967, Comm.Lunar and Planetary Laboratory No.71,Vol.5,Part 2.

ERRATA CORRIGE

In the IBVS No 974 owing to a misprint the mean error of the colour of the comparison star of Nova RS Ophiuchi is given uncorrectly:

Instead of

$$B - V = + 1^{m}.25 \pm 0^{m}.23$$

must be read

$$B - V = + 1^{m}.25 \pm 0^{m}.03$$

P. TEMPESTI