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NEW ELEMENTS FOR THREE ECLIPSING BINARIES

At the Ege University Observatory we obtained from April 1968 to August 1968 a great number of photoelectric minima of eclipsing binaries. Some of the O-C's show large, increasing O-C's against the elements in GCVS 1958 (I) and SAC 38 (II).

The new elements were calculated by the method of least squares. These new elements were checked by later minima which were not used for the calculation of these elements.

VW Cep

Min : JD 243 4780.433 +0<sup>d</sup>2783192 . E (I)  
 Min : JD 243 9375.412 +0<sup>d</sup>278317 . E (II)  
 Min : JD 243 9348.415 +0<sup>d</sup>278314 . E (III)

Minima	Observer	O-C(I)	O-C (II)	O-C(III)
JD 24 .....				
39348.4145	(IBVS 201)	-0.0715	-0.0332	-0.0005
39350.3623	"	-0.0720	-0.0336	-0.0009
39364.5574	"	-0.0711	-0.0327	+0.0002
39370.4027	"	-0.0705	-0.0320	+0.0009
39372.3512	"	-0.0703	-0.0317	+0.0012
39375.4124	"	-0.0706	-0.0320	+0.0009
39987.4237	Güdür+Pohl	-0.0832	-0.0398	-0.0003
40078.433	Ibanoglu+Güdür	-0.084	-0.0400	+0.0004
40137.435	Ibanoglu	-0.086	-0.0400	-0.0002
40358.4148	Ibanoglu	-0.0916	-0.0453	-0.0017
(*)40388.4715	Ibanoglu	-0.0934	-0.0468	-0.0014

UX Her

Min : JD 24 19876.4782 +1<sup>d</sup>5488 563 . E +0.010 Sin  
 (0<sup>o</sup>03333 E+263<sup>o</sup>)(I)  
 Min : JD 24 19876.4782 +1<sup>d</sup>5488 563 . E (II)  
 Min : JD 24 40022.4194 +1<sup>d</sup>54885307 . E (III)

Minima	Observer	0-C(I)	0-C(II)	0-C(III)
JD 2440 ...				
022.4192	Kurutac, Gdr	-0.0346	-0.0329	-0.0002
039.4564	Baumbach, Meider	-0.0349	-0.0331	-0.0004
053.397	Kurutac, Gdr	-0.034	-0.032	+0.0001
403.4372	Ibanoglu	-0.0366	-0.0335	-0.0001
(*) 431.3161	Ibanoglu	-0.0396	-0.0341	-0.0005

AK Her

Min : JD 243 3515.720 +0<sup>d</sup>42152143 . E (I)  
 Min : JD 243 6757.6601 +0<sup>d</sup>42152502 . E (II)  
 Min : JD 243 8531.4318 +0<sup>d</sup>42152309 . E (III)

Minima	Observer	0-C(I)	0-C(II)	0-V(III)
JD 24 .....	Krausser	+0.029	-0.005	+0.0002
38 531.432	Pohl	+0.032	-0.011	+0.0004
39 616.432	Pohl	+0.031	-0.012	-0.0014
39 980.419	Kurutac, Gdr	+0.036	-0.017	-0.0053
39 981.4730	Kurutac, Gdr	+0.036	-0.011	+0.0018
40 368.429	Kurutac	+0.035	-0.014	-0.0004
(*) 40 392.4562	Ibanoglu	+0.0356	-0.0141	0.0000

(I) GCVS (1958)  
 (II) SAC 38 (1967)  
 (III) New elements  
 \* Minima for checking elements

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