

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS

Number 2344

Konkoly Observatory
 Budapest
 31 May 1983

HU ISSN 0374-0676

MINIMA OF W UMa STARS

In 1982 photoelectric observations of several W UMa stars were carried out in B and V with the double beam photometer at the 1.06m telescope of Hoher List Observatory. For some of these objects no photoelectric light curves are published so far. A more detailed discussion of the new light curves will be published elsewhere, but some details on the light elements shall be given here. One third of the previously known periods of these objects are severely in error, and subsequent observations for a refinement of the new light elements will be useful. Some additional information on the light elements of EX Del, V502 Her, and RT LMi can be found in another recent issue of the IBVS (Hoffmann and Meinunger, 1983). As the light curve of V417 Aql was covered incompletely, the new period should be regarded as a first approach. When no new period is given, the O-C's do not exceed a few percent of the period, with exception of SS Com, and, to a minor degree, V859 Cyg, V344 Lac, and BK Vul. The minima were determined according to the Pogson and tracing paper methods.

Object	JD Min.	Phase	Rev. Period
EP And	2445221.583	II	
	5224.610	I	
V417 Aql	2445225.35	?	0. ^d 3377
TU Boo	5055.449	?	
	5055.612	?	
WZ Cep	4989.326	II	
	4989.534	I	
SS Com	5026.532	I	
	5027.563	II	
V700 Cyg	5163.4793	II	0.290626
	5207.5095	I	
	5209.5435	I	

Object	JD Min.	Phase	Rev. Period
V859 Cyg	5203.544	II	
EX Del	5166.528	II	0.3309882
V502 Her	5081.423	I	0.3692768
DF Hya	5021.3400	II	0.3302005
	5021.5060	I	
V344 Lac	5222.3680	II	
	5222.5635	I	
XZ Leo	5025.358	I	
	5025.595	II	
CE Leo	5044.5495	II	
	5047.4325	I	
RT LMi	4988.3555	II	0.3749180
	5002.4147	I	
NY Lyr	5169.5100	I	
PY Lyr	5119.418	I	
V396 Mon	5022.476	II	
V508 Oph	5078.5785	II	
	5082.5430	I	
AW Vir	5002.645	II	
	5022.6450	I	
BD-6 ^o 4068	5095.387	II	0.419757
BK Vul	5211.4060	II	

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References:

Hoffmann, M., Meinunger, L., 1983, Inf. Bull. Variable Stars
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