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PHOTOELECTRIC MINIMA OF ECLIPSING BINARIES

The following table lists the unpublished photoelectric times of minima of several binaries observed at Mt. Suhora Observatory of the Cracow Pedagogical University between 1988 and 1995. The observations were made using a double channel photometer (Szymański & Udalski, 1989) exchanged in August 1991 (Kreiner et al., 1993), attached to the 0.6/7.5 m Cassegrain telescope. They were reduced in usual way and left in the instrumental system (near to the UBVR).

The times of minima were determined using Kwee and van Woerden (KW) method or by parabola fitting (PF) or by Kordylewski's tracing paper (TP) graphic method. O–C values were computed using elements given in the General Catalogue of Variable Stars (IV edition) Moscow 1985-87.

The table gives the name of variable star, filter, heliocentric time of minimum, corresponding error, O–C values, type of minimum (I-primary, II-secondary), method of minimum determination and abbreviation of observer's name.

These abbreviations are as follows:

GP	Gabriel Pajdosz	MK	Małgorzata Kaczor
JG	Joanna Glenc	PN	Paweł Nastaj
JK	Jerzy Krzesiński	SZ	Stanisław Zoła
JMK	Jerzy M. Kreiner	WO	Waldemar Ogłóża
MD	Marek Drożdż		

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References:

Kreiner et al., 1993, *Proceedings of IAU Colloquium*, No. 136, Dublin, 80
Szymański, M., Udalski, A., 1989, *Acta Astron.*, **39**, 1

Star	Filter	HJD 2400000+	Error	O-C	Type	Method	Observ.
KP Aql	V	48116.4455	± 0.0010	0.0073	II	TP	GP
SS Ari	U	49688.4464	± 0.0037	-0.1225	I	PF	MD
	B	49688.4427	± 0.0027	-0.1262	I	PF	MD
	V	49688.4461	± 0.0034	-0.1228	I	PF	MD
	R	49688.4454	± 0.0033	-0.1235	I	PF	MD
	B	49287.5387	± 0.0001	-0.1116	I	IKW	MD
	U	49689.4628	± 0.0009	-0.1211	I	IKW	MD
	B	49689.4625	± 0.0005	-0.1214	I	IKW	MD
	V	49689.4627	± 0.0003	-0.1212	I	IKW	MD
	R	49689.4618	± 0.0011	-0.1221	I	IKW	MD
CK Boo	B,V	47659.4177	± 0.0010	0.1565	II	TP	JK
	B	47982.4295	± 0.0010	0.1593	I	TP	GP,SZ
YY CMi	V	47947.4457	± 0.0015	0.0119	I	TP	GP,JK
AS Cam	V	48193.3173	± 0.0004	-0.2133	II	KW	GP
	V	48306.5392	± 0.0002	-0.2135	II	PF	SZ
	V	48308.4501	± 0.0002	-0.018	I	PF	SZ
CW Cep	V	47897.4465	± 0.0020	-0.027	I	TP	GP
EK Cep	V	48004.4315	± 0.0001	0.0052	I	KW	GP,JK
CC Com	B	49787.5419	± 0.0001	-0.0084	I	KW	PN,WO
	V	49787.5422	± 0.0002	-0.0081	I	KW	PN,WO
	R	49787.5422	± 0.0001	-0.0081	I	KW	PN,WO
	B	49787.4311	± 0.0001	-0.0088	II	KW	PN,WO
	V	49787.4312	± 0.0004	-0.0088	II	KW	PN,WO
	R	49787.4316	± 0.0003	-0.0084	II	KW	PN,WO
V477 Cyg	V	48066.4895	± 0.0015	-0.0029	I	TP	GP
RW Gem	U	49390.4272	± 0.0006	-0.0078	I	KW	GP,JG
	B	49390.4256	± 0.0005	-0.0069	I	KW	GP,JG
	V	49390.4263	± 0.0006	-0.0088	I	KW	GP,JG
	R	49390.4253	± 0.0020	-0.0069	I	KW	GP,JG
TX Gem	U	49374.5521	± 0.0009	-0.0075	I	KW	GP,JG,MK
	B	49374.5513	± 0.0007	-0.0083	I	KW	GP,JG,MK
	V	49374.5513	± 0.0008	-0.0083	I	KW	GP,JG,MK
	R	49374.5528	± 0.0008	-0.0068	I	KW	GP,JG,MK
DI Her	V	48128.4594	± 0.0001	2.8430	II	KW	GP
SW Lac	V	47406.5285	± 0.0001	-0.0099	I	KW	GP
	V	47455.4368	± 0.0002	-0.0112	II	KW	GP
AR Lac	U	49292.3887	± 0.0021	-0.0759	I	KW	MK,WO
	B	49292.3868	± 0.0042	-0.0769	I	KW	MK,WO
	V	49292.3887	± 0.0014	-0.0751	I	KW	MK,WO
	R	49292.3872	± 0.0016	-0.0766	I	KW	MK,WO
TZ Lyr	-	47384.3868	± 0.0007	0.0001	II	KW	GP
V508 Oph	B,V	47371.4489	± 0.0005	0.0088	II	TP	SZ
	B,V	47402.3110	± 0.0010	0.0066	I	TP	GP
FT Ori	V	47898.3999	± 0.0002	0.0034	I	KW	GP
β Per	-	49317.4174	± 0.0001	0.0198	I	KW	MD,WO
DR Vul	B	47368.4321	± 0.0003	0.0495	I	KW	JM
	V	47368.4319	± 0.0004	0.0493	I	KW	JMK