



A LIST OF MINIMA AND MAXIMA TIMINGS

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Abstract: *The list contains 236 timings of minima of eclipsing and maxima of pulsating stars. It continues the list published in BAVJ 0040 (Paschke 2020).*

Instruments used

The following telescopes and observatories have been used:

50mm+G1 = 50/135 mm teleobjective, G1 camera, Rueti-Tann, Switzerland, remote

50mm+G2 = 50/135 mm teleobjective, G2 camera, Cabeça Fundao, Cabo Verde, remote

50mm+ST7 = 50/135 mm teleobjective, SBIG ST-7 camera, Carona TI, Switzerland, remote

20cm+ST8 = 20 cm Newton, SBIG ST-8, Brussel, Belgium

The Santa Barbara instruments Group ST7 camera uses a KAF-400 chip.

The Santa Barbara instruments Group ST8 camera uses a KAF-1600 chip.

The Moravian instruments G1-300 camera uses a Sony ICX 424AL chip.

The Moravian instruments G2-402 camera uses a KAF 402 chip.

Maxima and minima times

The ccd images have been processed by C-Munipack V1.0 written by David Motl.

Minimum timings observed by Paschke were estimated by fitting goniometric polynomials up to order 3 to the data. Other observers used their own methods. Table 1 shows maxima and minima of observed stars. The first column gives stellar identification. GSC 1.2 identifications are abbreviated.

The second column is the constellation. The third column (kind) gives the kind of extremum: p = primary, s = secondary, P = minimum of a pulsating star, R = maximum. The fourth column gives heliocentric Julian date of the minima/maxima. It is based on UTC, leap seconds included. Column 'Filter' gives information about the passband in which measurements were taken (ccd= unfiltered CCD, B = Johnson blue, V = Johnson visual, G = green, R = Cousin red, I Cousin Infrared). Column 'Error' gives the uncertainty of minima and maxima times. N is the number of measurements (CCD images) used. Finally, the instruments used (see s. 1) and the name of the observer.

Table 1: Maxima and minima of observed stars

ID	Const	kind	HJD	Filter	Error	N	Instrument	Observer
RT	And	p	2459323.600	V	0.001	112	20cm+ST8	Dufoer Sjoerd
AB	And	p	2459379.479	V	0.001	226	20cm+ST8	Dufoer Sjoerd
CN	And	p	2459182.349	ccd	0.010	59	50mm+ST7	Paschke Anton
LO	And	p	2459377.485	V	0.001	197	20cm+ST8	Dufoer Sjoerd
V0376	And	p	2459161.440	ccd	0.005	198	50mm+ST7	Paschke Anton
V0376	And	s	2459163.441	ccd	0.005	153	50mm+ST7	Paschke Anton
V0382	And	p	2459151.374	ccd	0.020	53	50mm+ST7	Paschke Anton
V0613	And	p	2459102.484	ccd	0.008	121	50mm+ST7	Paschke Anton
S	Ant	s	2459303.537	ccd	0.004	178	50mm+G2	Paschke Anton
S	Ant	p	2459330.443	ccd	0.003	290	50mm+G2	Paschke Anton
BO	Ant	p	2459327.514	ccd	0.005	258	50mm+G2	Paschke Anton
ST	Aqr	p	2459101.507	ccd	0.005	91	50mm+ST7	Paschke Anton
DX	Aqr	p	2459105.370	ccd	0.010	135	50mm+ST7	Paschke Anton
EE	Aqr	p	2459086.467	ccd	0.003	92	50mm+ST7	Paschke Anton
V1331	Aql	p	2459381.462	ccd	0.010	61	50mm+ST7	Paschke Anton
V1796	Aql	p	2459335.525	V	0.001	173	20cm+ST8	Dufoer Sjoerd
V1808	Aql	p	2459082.379	ccd	0.010	50	50mm+ST7	Paschke Anton
V1808	Aql	s	2459083.438	ccd	0.005	82	50mm+ST7	Paschke Anton
V1814	Aql	p	2459322.598	V	0.001	114	20cm+ST8	Dufoer Sjoerd
AG	Ari	p	2459130.546	ccd	0.008	73	50mm+ST7	Paschke Anton
AG	Ari	s	2459135.547	ccd	0.005	68	50mm+ST7	Paschke Anton
IM	Aur	p	2459303.428	ccd	0.004	151	50mm+ST7	Paschke Anton
V0425	Aur	p	2459231.524	ccd	0.020	68	50mm+ST7	Paschke Anton
YZ	Boo	R	2459358.423	ccd	0.008	120	50mm+G2	Paschke Anton
AE	Boo	R	2459391.45	ccd	0.010	158	50mm+G2	Paschke Anton
CK	Boo	p	2459259.506	V	0.002	130	20cm+ST8	Dufoer Sjoerd
CK	Boo	s	2459293.415	ccd	0.005	55	50mm+ST7	Paschke Anton
CK	Boo	p	2459293.595	ccd	0.004	55	50mm+ST7	Paschke Anton
CK	Boo	p	2459317.388	V	0.001	175	20cm+ST8	Dufoer Sjoerd
CV	Boo	p	2459299.375	V	0.001	132	20cm+ST8	Dufoer Sjoerd
EF	Boo	p	2459296.605	ccd	0.003	86	50mm+ST7	Paschke Anton
EL	Boo	s	2459391.436	ccd	0.015	77	50mm+ST7	Paschke Anton
ET	Boo	p	2459258.421	V	0.001	158	20cm+ST8	Dufoer Sjoerd
GK	Boo	s	2459258.517	V	0.001	173	20cm+ST8	Dufoer Sjoerd
GP	Boo	p	2459316.373	V	0.001	135	20cm+ST8	Dufoer Sjoerd
GW	Boo	p	2459385.417	ccd	0.008	100	50mm+G2	Paschke Anton
HH	Boo	p	2459269.444	V	0.001	113	20cm+ST8	Dufoer Sjoerd
MN	Boo	p	2459386.460	ccd	0.005	112	50mm+G2	Paschke Anton
PU	Boo	p	2459279.460	V	0.001	131	20cm+ST8	Dufoer Sjoerd
i	Boo	s	2459328.334	ccd	0.003	61	50mm+ST7	Paschke Anton
i	Boo	p	2459328.469	ccd	0.002	93	50mm+ST7	Paschke Anton
i	Boo	p	2459328.469	ccd	0.010	120	50mm+G1	Paschke Anton
DT	Cam	p	2459164.346	ccd	0.005	92	50mm+ST7	Paschke Anton
DT	Cam	s	2459182.590	ccd	0.010	82	50mm+ST7	Paschke Anton

BI	CVn	p	2459329.420	ccd	0.003	60	50mm+G2	Paschke Anton
BO	CVn	s	2459286.354	ccd	0.005	59	50mm+ST7	Paschke Anton
BO	CVn	p	2459286.613	ccd	0.004	82	50mm+ST7	Paschke Anton
HQ	CVn	p	2459202.591	V	0.001	155	20cm+ST8	Dufoer Sjoerd
TU	CMa	p	2459275.489	ccd	0.002	81	50mm+G2	Paschke Anton
FF	CMa	p	2459276.468	ccd	0.005	305	50mm+G2	Paschke Anton
IQ	CMa	p	2459289.430	ccd	0.003	211	50mm+G2	Paschke Anton
BB	CMi	p	2459202.450	V	0.001	120	20cm+ST8	Dufoer Sjoerd
BH	CMi	p	2459296.353	ccd	0.007	109	50mm+ST7	Paschke Anton
G0180.01583	CMi	s	2459263.380	ccd	0.008	92	50mm+ST7	Paschke Anton
G0180.01583	CMi	p	2459274.484	ccd	0.003	243	50mm+G2	Paschke Anton
G0180.01583	CMi	p	2459274.486	ccd	0.008	81	50mm+ST7	Paschke Anton
V0779	Cas	p	2459107.485	ccd	0.010	182	50mm+ST7	Paschke Anton
V1297	Cas	p	2459375.494	V	0.001	260	20cm+ST8	Dufoer Sjoerd
V1297	Cas	p	2459378.493	V	0.001	245	20cm+ST8	Dufoer Sjoerd
V1342	Cas	p	2459080.446	ccd	0.020	60	50mm+ST7	Paschke Anton
V0348	Cen	p	2459339.497	ccd	0.007	153	50mm+G2	Paschke Anton
V0498	Cen	p	2459355.430	ccd	0.020	44	50mm+G2	Paschke Anton
V0590	Cen	R	2459346.414	ccd	0.005	42	50mm+G2	Paschke Anton
V0742	Cen	p	2459334.460	ccd	0.002	97	50mm+G2	Paschke Anton
V0752	Cen	p	2459306.441	ccd	0.002	165	50mm+G2	Paschke Anton
V0752	Cen	s	2459328.468	ccd	0.002	150	50mm+G2	Paschke Anton
V0757	Cen	p	2459352.507	ccd	0.002	140	50mm+G2	Paschke Anton
V0757	Cen	s	2459356.453	ccd	0.006	170	50mm+G2	Paschke Anton
V0757	Cen	p	2459356.625	ccd	0.004	122	50mm+G2	Paschke Anton
V0839	Cen	p	2459375.483	ccd	0.005	142	50mm+G2	Paschke Anton
V0839	Cen	p	2459376.477	ccd	0.006	155	50mm+G2	Paschke Anton
V1071	Cen	p	2459338.471	ccd	0.020	249	50mm+G2	Paschke Anton
V1109	Cen	p	2459335.504	ccd	0.002	100	10cm+G2	Paschke Anton
V1129	Cen	p	2459354.486	ccd	0.020	171	50mm+G2	Paschke Anton
V1294	Cen	p	2459357.482	ccd	0.020	324	50mm+G2	Paschke Anton
RZ	Cep	r	2459152.334	ccd	0.010	134	50mm+ST7	Paschke Anton
RZ	Cep	P	2459152.544	ccd	0.010	284	50mm+ST7	Paschke Anton
RZ	Cep	r	2459376.414	ccd	0.010	134	50mm+ST7	Paschke Anton
WX	Cep	p	2459170.382	ccd	0.010	150	50mm+ST7	Paschke Anton
AH	Cep	p	2459152.512	ccd	0.010	339	50mm+ST7	Paschke Anton
V0388	Cep	p	2459367.429	V	0.001	124	20cm+ST8	Dufoer Sjoerd
V1106	Cep	p	2459175.273	ccd	0.008	54	50mm+ST7	Paschke Anton
MW	Com	p	2459332.471	ccd	0.010	72	50mm+G2	Paschke Anton
QR	Com	p	2459199.603	V	0.001	128	20cm+ST8	Dufoer Sjoerd
QS	Com	s	2459340.430	ccd	0.010	127	50mm+G2	Paschke Anton
TW	CrB	p	2459323.405	V	0.001	137	20cm+ST8	Dufoer Sjoerd
YY	CrB	p	2459269.536	V	0.001	196	20cm+ST8	Dufoer Sjoerd
AR	CrB	p	2459257.569	V	0.001	105	20cm+ST8	Dufoer Sjoerd
W	Crv	p	2459337.454	ccd	0.002	94	50mm+G2	Paschke Anton
SX	Crv	s	2459312.445	ccd	0.005	150	50mm+G2	Paschke Anton
SX	Crv	p	2459353.441	ccd	0.005	172	50mm+G2	Paschke Anton
TW	Crt	p	2459333.488	ccd	0.010	258	50mm+G2	Paschke Anton

VV	Crt	p	2459342.467	ccd	0.005	140	50mm+G2	Paschke Anton
AC	Crt	p	2459322.459	ccd	0.003	190	50mm+G2	Paschke Anton
AW	Crt	p	2459341.397	ccd	0.005	40	50mm+G2	Paschke Anton
AW	Crt	s	2459341.529	ccd	0.005	60	50mm+G2	Paschke Anton
G4920.01092	Crt	s	2459308.547	ccd	0.012	341	50mm+G2	Paschke Anton
G4920.01092	Crt	p	2459310.609	ccd	0.009	176	50mm+G2	Paschke Anton
G5501.00909	Crt	s	2459344.443	ccd	0.003	155	50mm+G2	Paschke Anton
G5501.00909	Crt	p	2459345.445	ccd	0.002	165	50mm+G2	Paschke Anton
G6089.01439	Crt	p	2459323.442	ccd	0.006	174	50mm+G2	Paschke Anton
G6089.01439	Crt	s	2459343.453	ccd	0.010	173	50mm+G2	Paschke Anton
BR	Cyg	p	2459306.543	V	0.001	164	20cm+ST8	Dufoer Sjoerd
GO	Cyg	p	2459323.518	V	0.001	181	20cm+ST8	Dufoer Sjoerd
KR	Cyg	p	2459337.513	V	0.001	212	20cm+ST8	Dufoer Sjoerd
V0366	Cyg	p	2459153.301	ccd	0.010	100	50mm+ST7	Paschke Anton
V0366	Cyg	p	2459326.462	V	0.001	207	20cm+ST8	Dufoer Sjoerd
V1061	Cyg	p	2459257.665	V	0.001	158	20cm+ST8	Dufoer Sjoerd
V1073	Cyg	p	2459109.479	ccd	0.007	148	50mm+ST7	Paschke Anton
V1141	Cyg	p	2459354.431	V	0.001	145	20cm+ST8	Dufoer Sjoerd
V1171	Cyg	s	2459343.504	ccd	0.020	113	50mm+ST7	Paschke Anton
V1191	Cyg	p	2459316.529	V	0.002	144	20cm+ST8	Dufoer Sjoerd
V1191	Cyg	p	2459321.540	V	0.003	130	20cm+ST8	Dufoer Sjoerd
V1425	Cyg	p	2459120.386	ccd	0.005	90	50mm+ST7	Paschke Anton
V1719	Cyg	R	2459180.299	ccd	0.005	60	50mm+ST7	Paschke Anton
V1815	Cyg	p	2459330.545	V	0.001	193	20cm+ST8	Dufoer Sjoerd
V1898	Cyg	p	2459123.351	ccd	0.008	65	50mm+ST7	Paschke Anton
V1898	Cyg	p	2459176.314	ccd	0.010	73	50mm+ST7	Paschke Anton
V1918	Cyg	p	2459299.502	V	0.001	142	20cm+ST8	Dufoer Sjoerd
V2154	Cyg	p	2459303.553	V	0.001	154	20cm+ST8	Dufoer Sjoerd
V2477	Cyg	p	2459275.649	V	0.001	250	20cm+ST8	Dufoer Sjoerd
V2477	Cyg	p	2459335.402	V	0.001	168	20cm+ST8	Dufoer Sjoerd
V2552	Cyg	p	2459317.497	V	0.001	140	20cm+ST8	Dufoer Sjoerd
V2848	Cyg	p	2459364.459	V	0.003	140	20cm+ST8	Dufoer Sjoerd
BV	Dra	p	2459267.477	V	0.001	158	20cm+ST8	Dufoer Sjoerd
BW	Dra	p	2459257.474	V	0.001	166	20cm+ST8	Dufoer Sjoerd
DG	Dra	p	2459336.387	V	0.002	156	20cm+ST8	Dufoer Sjoerd
GQ	Dra	p	2459304.385	V	0.001	180	20cm+ST8	Dufoer Sjoerd
HI	Dra	p	2459279.574	V	0.001	153	20cm+ST8	Dufoer Sjoerd
V0348	Dra	s	2459306.351	V	0.002	200	20cm+ST8	Dufoer Sjoerd
V0372	Dra	p	2459274.496	V	0.001	126	20cm+ST8	Dufoer Sjoerd
V0374	Dra	p	2459275.510	V	0.001	214	20cm+ST8	Dufoer Sjoerd
V0450	Dra	p	2459361.517	ccd	0.010	60	50mm+ST7	Paschke Anton
V0471	Dra	p	2459297.380	V	0.001	109	20cm+ST8	Dufoer Sjoerd
V0548	Dra	p	2459297.465	ccd	0.003	56	50mm+ST7	Paschke Anton
V0550	Dra	p	2459270.464	V	0.001	187	20cm+ST8	Dufoer Sjoerd
V0550	Dra	p	2459290.389	ccd	0.003	54	50mm+ST7	Paschke Anton
V0550	Dra	s	2459290.552	ccd	0.002	58	50mm+ST7	Paschke Anton
RX	Eri	R	2459140.576	ccd	0.005	48	50mm+ST7	Paschke Anton
V0428	Gem	p	2459199.386	V	0.001	170	20cm+ST8	Dufoer Sjoerd

TT	Her	p	2459337.422	V	0.001	175	20cm+ST8	Dufoer Sjoerd
AK	Her	p	2459334.415	V	0.001	207	20cm+ST8	Dufoer Sjoerd
V0857	Her	p	2459297.488	V	0.001	145	20cm+ST8	Dufoer Sjoerd
V0878	Her	p	2459321.398	V	0.001	186	20cm+ST8	Dufoer Sjoerd
V0878	Her	p	2459330.399	V	0.001	200	20cm+ST8	Dufoer Sjoerd
V1097	Her	p	2459259.645	V	0.001	124	20cm+ST8	Dufoer Sjoerd
V1289	Her	p	2459274.602	V	0.001	188	20cm+ST8	Dufoer Sjoerd
V1355	Her	p	2459365.425	V	0.001	139	20cm+ST8	Dufoer Sjoerd
V1402	Her	p	2459304.532	V	0.001	210	20cm+ST8	Dufoer Sjoerd
AV	Hya	p	2459267.337	V	0.001	115	20cm+ST8	Dufoer Sjoerd
FG	Hya	s	2459275.338	ccd	0.007	80	50mm+ST7	Paschke Anton
FG	Hya	p	2459275.505	ccd	0.005	66	50mm+ST7	Paschke Anton
FO	Hya	p	2459256.680	ccd	0.010	73	50mm+G2	Paschke Anton
FO	Hya	p	2459266.538	ccd	0.008	130	50mm+G2	Paschke Anton
KZ	Hya	R	2459301.428	ccd	0.002	50	50mm+G2	Paschke Anton
KZ	Hya	R	2459301.488	ccd	0.002	86	50mm+G2	Paschke Anton
KZ	Hya	R	2459301.549	ccd	0.002	105	50mm+G2	Paschke Anton
KZ	Hya	R	2459301.607	ccd	0.002	70	50mm+G2	Paschke Anton
G4863.00079	Hya	p	2459277.429	ccd	0.008	64	50mm+G2	Paschke Anton
SW	Lac	p	2459366.463	V	0.001	234	20cm+ST8	Dufoer Sjoerd
VY	Lac	p	2459364.526	V	0.001	121	20cm+ST8	Dufoer Sjoerd
AW	Lac	p	2459354.519	V	0.001	130	20cm+ST8	Dufoer Sjoerd
CM	Lac	p	2459378.500	ccd	0.001	119	50mm+ST7	Paschke Anton
V0401	Lac	p	2459299.600	V	0.001	195	20cm+ST8	Dufoer Sjoerd
V0678	Lac	s	2459326.570	V	0.001	165	20cm+ST8	Dufoer Sjoerd
UZ	Leo	s	2459241.558	ccd	0.006	68	50mm+ST7	Paschke Anton
XY	Leo	s	2459291.460	ccd	0.004	49	50mm+G2	Paschke Anton
XY	Leo	p	2459291.601	ccd	0.003	206	50mm+G2	Paschke Anton
XZ	Leo	p	2459199.508	V	0.001	76	20cm+ST8	Dufoer Sjoerd
AM	Leo	s	2459318.437	ccd	0.002	50	50mm+ST7	Paschke Anton
AP	Leo	p	2459259.425	V	0.001	151	20cm+ST8	Dufoer Sjoerd
AP	Leo	s	2459291.494	ccd	0.004	86	50mm+ST7	Paschke Anton
V0347	Leo	p	2459364.432	ccd	0.010	n/a	50mm+G2	Paschke Anton
G4922.00195	Leo	s	2459325.453	ccd	0.015	381	50mm+G2	Paschke Anton
G4922.00195	Leo	p	2459336.451	ccd	0.004	212	50mm+G2	Paschke Anton
AG	LMi	p	2459258.308	V	0.0005	109	20cm+ST8	Dufoer Sjoerd
IT	Lib	p	2459384.500	ccd	0.010	250	50mm+G2	Paschke Anton
CN	Lyn	p	2459302.477	ccd	0.010	100	50mm+ST-7	Paschke Anton
FI	Lyn	p	2459312.403	ccd	0.002	58	50mm+ST7	Paschke Anton
FI	Lyn	s	2459312.589	ccd	0.004	76	50mm+ST7	Paschke Anton
V0573	Lyr	p	2459258.704	V	0.001	215	20cm+ST8	Dufoer Sjoerd
AO	Mon	s	2459180.578	ccd	0.005	128	50mm+ST7	Paschke Anton
G4795.00214	Mon	s	2459282.527	ccd	0.005	90	50mm+G2	Paschke Anton
V0508	Oph	p	2459297.606	V	0.001	184	20cm+ST8	Dufoer Sjoerd
V0839	Oph	p	2459334.524	V	0.001	190	20cm+ST8	Dufoer Sjoerd
V1010	Oph	p	2459352.463	ccd	0.002	120	50mm+ST7	Paschke Anton
V2388	Oph	p	2459366.451	ccd	0.009	88	50mm+ST7	Paschke Anton
V2612	Oph	p	2459279.644	V	0.001	149	20cm+ST8	Dufoer Sjoerd

VV	Ori	p	2459172.518	V	0.010	207	50mm+ST7	Paschke Anton
V1380	Ori	p	2459313.437	ccd	0.010	322	50mm+G2	Paschke Anton
eta	Ori	s	2459223.405	ccd	0.015	316	50mm+ST7	Paschke Anton
AT	Peg	p	2459196.300	ccd	0.004	39	50mm+ST7	Paschke Anton
V0478	Peg	p	2459367.521	V	0.001	145	20cm+ST8	Dufoer Sjoerd
V0481	Peg	s	2459096.429	ccd	0.005	70	50mm+ST7	Paschke Anton
RY	Per	p	2459178.480	ccd	0.010	188	50mm+ST7	Paschke Anton
UV	Psc	p	2459172.292	V	0.002	50	50mm+ST7	Paschke Anton
TY	Pup	s	2459299.460	ccd	0.010	205	50mm+G2	Paschke Anton
V0361	Pup	p	2459290.411	ccd	0.007	273	50mm+G2	Paschke Anton
V0596	Pup	p	2459305.437	ccd	0.002	331	50mm+G2	Paschke Anton
V0625	Pup	p	2459286.456	ccd	0.005	200	50mm+G2	Paschke Anton
G1606.01750	Sge	p	2459140.341	ccd	0.005	54	50mm+ST7	Paschke Anton
G1606.01750	Sge	s	2459160.259	ccd	0.005	41	50mm+ST7	Paschke Anton
V0335	Ser	s	2459365.586	V	0.003	429	05mm+G2	Paschke Anton
V0335	Ser	p	2459377.545	V	0.005	79	05mm+G2	Paschke Anton
WW	Sex	p	2459311.431	ccd	0.003	110	50mm+G2	Paschke Anton
WZ	Sex	s	2459313.448	ccd	0.020	115	50mm+ST7	Paschke Anton
XX	Sex	p	2459311.425	ccd	0.008	103	50mm+ST7	Paschke Anton
AI	Sex	p	2459257.384	V	0.001	92	20cm+ST8	Dufoer Sjoerd
CT	Tau	p	2459202.325	V	0.001	78	20cm+ST8	Dufoer Sjoerd
GT	UMa	s	2459310.469	ccd	0.007	88	50mm+ST7	Paschke Anton
GW	UMa	P	2459223.612	ccd	0.005	35	50mm+ST7	Paschke Anton
GW	UMa	R	2459223.680	ccd	0.007	36	50mm+ST7	Paschke Anton
II	UMa	p	2459329.538	ccd	0.010	136	50mm+ST7	Paschke Anton
G4386.01707	UMa	p	2459308.473	ccd	0.008	85	50mm+ST7	Paschke Anton
W	UMi	p	2459313.437	ccd	0.010	166	50mm+G1	Paschke Anton
AI	Vel	R	2459287.452	ccd	0.001	140	50mm+G2	Paschke Anton
AI	Vel	R	2459287.550	ccd	0.001	140	50mm+G2	Paschke Anton
AI	Vel	R	2459289.395	ccd	0.001	223	50mm+G2	Paschke Anton
AI	Vel	R	2459289.491	ccd	0.001	196	50mm+G2	Paschke Anton
V0362	Vel	p	2459331.426	ccd	0.010	150	50mm+G2	Paschke Anton
AZ	Vir	p	2459202.694	V	0.001	78	20cm+ST8	Dufoer Sjoerd
BD	Vir	p	2459315.636	ccd	0.002	144	50mm+G2	Paschke Anton
BD	Vir	p	2459361.513	ccd	0.020	208	50mm+G2	Paschke Anton
CX	Vir	p	2459370.494	ccd	0.005	151	50mm+G2	Paschke Anton
FO	Vir	p	2459382.501	ccd	0.010	400	50mm+G2	Paschke Anton
FQ	Vir	p	2459362.460	ccd	0.002	60	50mm+G2	Paschke Anton
HY	Vir	p	2459342.485	ccd	0.010	132	50mm+ST7	Paschke Anton
IM	Vir	p	2459359.471	ccd	0.006	279	50mm+G2	Paschke Anton
LU	Vir	p	2459348.441	ccd	0.008	160	50mm+G2	Paschke Anton
PY	Vir	p	2459369.437	ccd	0.001	76	50mm+G2	Paschke Anton
V0467	Vir	p	2459354.407	ccd	0.009	110	50mm+ST7	Paschke Anton
V0700	Vir	p	2459363.500	ccd	0.003	82	50mm+G2	Paschke Anton
BU	Vul	p	2459317.612	V	0.001	127	20cm+ST8	Dufoer Sjoerd
BW	Vul	P	2459162.325	ccd	0.005	125	50mm+ST7	Paschke Anton
BW	Vul	R	2459162.436	ccd	0.005	136	50mm+ST7	Paschke Anton
V0595	Vul	p	2459373.475	V	0.001	213	20cm+ST8	Dufoer Sjoerd

Remark on the star NSV 7244 Ser:

The variability of NSV 7244 Ser = SVS 1037 was discovered by Soloviev (1949). Soloviev used the star as comparison while observing the Nova 1948, now CT Ser. He suspected NSV 7244 Ser to be an Algol type variable. Antonin Dedoch observed the star visually in 1991 and 1992, found 15 times of maxima of brightness, determined elements and concluded delta Scuti Variability. He published his work in Prace hvezdarny a planetaria Brno No 31. I observed the star in 3 nights with 50 mm lens and ST-7 camera in Carona TI. 30th May 2017, 113 images, 1th June 2017, 122 images, 13th June 2021, 106 images. I found no significant variability.

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References:

- Kochanek Chris, The All-Sky Automated Survey for Supernovae (ASAS-SN) Light Curve Server [2017PASP..129j4502K](#)
- Motl David, 2006, C-Munipack, <http://c-munipack.sourceforge.net/>
- Paschke, A. & Brat, L. 2006, *O-C Gateway, a Collection of Minima Timings*, Proceedings of the 37th Conference on Variable Stars Research, Edited by L. Brat., Open European Journal on Variable Stars, 23, 13, [2006OEJV...23...13P](#), <http://var.astro.cz/ocgate/>
- Paschke, A. 2019, BAV Journal, 0030, https://bav-astro.de/images/Up_Journal/BAVJ030_R3.pdf
- Paschke, A. 2020, BAV Journal, 0040, https://bav-astro.de/images/Up_Journal/BAVJ040_2_.pdf
- Pojmanski, G., Pilecki, B., Szczygiel, D., 2005, Acta Astronomica 55, 275, <http://www.astro.uw.edu.pl/asas/>
- Samus N.N., Durlevich O.V., Kazarovets E.V., Kireeva N.N., Pastukhova E.N., Zharova A.V., et al. 2017, General Catalogue of Variable Stars 5.1 (Samus+ 2007-2017), [VizieR On-line Data Catalog: B/gcvs](#) <http://www.sai.msu.su/gcvs/>