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A LIST OF MINIMA AND MAXIMA TIMINGS

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Abstract:
The list contains minima of eclipsing and maxima of pulsating stars,
it continues the list published in OEJV 0142.

Instruments used
The following telescopes and observatories have been used:

28cm+G2	= 28 cm Newton, G2-402 camera, observatory in Eggerberg, Switzerland
Car+G1	= Carenar wide angle, G1 camera, Eggerberg
50mm+G1	= 50/135 mm teleobjective, G1 camera, Eggerberg
50mm+ST7	= 50/135 mm teleobjective, SBIG ST-7 camera, Ca del Monte, Italy, remote
Asas	= All Sky Automated Survey
Catalina	= Catalina Sky Survey
Tarot	= Tarot Calern (Nord)

Coordinates
Coordinates are all J2000.
The coordinates of stars identified in the GCVS and NSV are not repeated here.
One exception is WY Psc, marked as lost in GCVS, found in Catalina data.
The second exception is V1 Psc, to faint for GSC 1.2
The following stars identified by Guide Star Catalog have been observed:

GSC 01394.01969	Cnc	09:00:46.87	+15:25:20.8
GSC 02005.00435	CVn	13:55:37.00	+28:43:45.0
GSC 02524.01001	CVn	13:28:49.66	+36:07:57.1
GSC 02530.01069	CVn	12:28:10.00	+35:33:39.0
GSC 02532.00083	CVn	13:01:29.00	+32:05:12.0
GSC 00189.00821	CMi	07:59:31.88	+05:08:07.5
GSC 00195.01901	CMi	08:14:01.08	+00:22:55.5
GSC 04391.00491	Dra	11:11:28.62	+73:06:53.7
GSC 00142.01638	Ori	06:07:14.28	+06:04:18.4
WY	Psc	01:34:11.60	+05:53:41.0
V1	Psc	23:48:01.00	+00:53:59.0
GSC 00043.00686	Psc	02:07:31.40	+05:41:05.6
GSC 00572.00251	Psc	22:54:16.50	+03:04:48.0
GSC 00572.01112	Psc	22:50:15.50	+04:28:42.6
GSC 00575.00912	Psc	22:56:48.10	+05:22:07.7
GSC 00580.01041	Psc	23:15:56.70	+03:02:58.6
GSC 01194.00613	Psc	00:52:55.96	+20:17:29.9
GSC 05251.00432	Psc	23:36:37.30	-02:12:42.8

Elements

FP	And	max	38622.500	0.2914400	2012-02-11
FQ	And	max	38709.390	0.4897490	2012-02-11
FR	And	max	39024.500	0.5039795	2001-11-29
FT	And	max	38643.470	0.4967690	2012-02-12
HU	And	min	37261.355	0.2857905	2012-02-05
HX	And	max	40828.430	0.6552970	2012-02-05
II	And	max	40828.548	0.5632790	2012-02-06
IL	And	min	40827.400	0.8675900	1996-06-01
IM	And	min	38327.450	0.2703730	2012-02-11
IN	And	max	40825.420	0.5698700	1996-06-01
IP	And	min	40837.500	3.0799600	2012-02-12
IQ	And	max	40812.535	0.4870650	2012-02-12
IR	And	max	40811.525	0.5052880	2012-02-12
IT	And	max	40827.470	0.5773250	2012-02-12
IU	And	max	40837.490	0.5173150	1996-06-01
LV	And	max	55515.744	0.5303870	2012-02-13
LW	And	min	55488.703	0.4728110	2012-02-14
MN	And	min	53765.611	0.6106500	2012-02-15
MP	And	max	53765.588	0.4713510	2012-02-15
MS	And	min	53706.849	0.7779000	2012-02-15
MT	And	min	55892.890	0.3587750	2012-02-16
MU	And	max	53734.728	0.6022000	2012-02-16
MV	And	max	54059.700	0.5776000	2012-02-16
MW	And	min	51523.637	0.2637700	2012-02-16
MX	And	max	53706.832	0.5688240	2012-02-16
NN	And	max	53695.640	0.4573100	2012-02-16
NO	And	max	55840.670	0.2725480	2012-02-16
NQ	And	max	53995.788	0.6193310	2012-02-16
NR	And	max	38643.550	0.6818620	2004-01-24
NT	And	max	38642.420	0.3516640	2012-02-17
NU	And	max	38651.520	0.3135360	2012-02-17
NW	And	max	38641.500	0.4536486	2012-02-17
NX	And	max	38641.530	0.6480475	2007-04-28
NZ	And	min	45336.178	0.8996680	2009-01-22
OX	And	max	38670.530	0.4934040	1997-07-04
OZ	And	max	38642.475	0.4960290	2012-02-17
PP	And	min	39789.270	2.7164900	2012-02-18
QS	And	min	55486.772	0.2766780	2012-02-19
QX	And	min	46795.750	0.4121730	2008-11-03
V 382	And	min	48501.105	1.4790100	1997-07-27
V 406	And	min	48430.025	2.1650160	2000-05-08
UU	Aqr	min	46347.267	0.1635805	2005-09-15
WX	Aqr	max	20387.308	0.5508409	1996-06-01
XZ	Aqr	min	43347.532	2.0592300	2012-03-05
AK	Aqr	max	25424.735	0.6073594	1996-06-01
SZ	Boo	max	27640.231	0.5228200	2006-02-18
UW	Boo	min	42404.713	1.0047100	2003-10-18
VX	Boo	max	36407.398	0.5911520	2012-03-15
VZ	Boo	max	53851.856	0.6257030	2012-03-05
XY	Boo	min	39954.002	0.3705640	2012-02-22
AF	Boo	max	37766.540	0.5293880	2012-03-05
AK	Boo	min	37823.241	0.6940300	2012-03-05
AM	Boo	max	37668.550	0.4643804	2012-03-05

AN	Boo	max	37823.400	0.5324970	1996-06-01
AO	Boo	max	54170.015	0.4794810	2012-03-05
AP	Boo	max	37820.424	0.5552620	2012-03-09
AS	Boo	max	36687.320	0.4924900	2012-03-09
CK	Boo	min	42537.605	0.3551534	2011-08-05
FT	Boo	max	51422.193	0.4587830	2012-02-28
FY	Boo	min	51274.691	0.2411595	2009-02-11
HS	Boo	max	51312.900	0.5292850	2012-02-28
HT	Boo	max	51388.924	0.4745140	2012-03-01
HV	Boo	max	55357.688	0.6814800	2012-03-09
WX	Cnc	min	25620.373	1.2245895	2012-01-19
AM	Cnc	max	36660.350	0.5580020	2012-03-01
NSV 04158	Cnc	min	52623.612	0.3784100	2011-08-02
NSV 04188	Cnc	min	52623.105	0.3080350	2012-02-25
GSC 01394.01063	Cnc	min	54531.612	0.2951390	2011-08-11
UU	CVn	max	39945.444	0.5409550	2012-03-09
UW	CVn	max	34454.569	0.6315770	2012-03-09
WW	CVn	max	35614.370	0.5233630	2012-03-01
WX	CVn	max	36692.348	0.7292530	1996-06-01
WY	CVn	max	35600.384	0.6369100	2012-03-11
WZ	CVn	max	38831.580	0.5093450	2012-03-12
XX	CVn	max	38106.540	0.5130110	2012-03-12
YY	CVn	max	36660.520	0.5627700	2012-03-15
AA	CVn	max	37370.224	0.6671800	2012-03-15
AB	CVn	min	37370.229	5.1623300	2012-03-08
AC	CVn	max	37370.489	0.6237900	2012-03-19
AD	CVn	max	37370.602	0.5667190	2012-03-19
AE	CVn	max	37370.724	0.5616220	1996-06-01
AF	CVn	max	37370.322	0.5125630	2012-03-19
AG	CVn	max	37370.172	0.6732560	1996-06-01
AH	CVn	max	37370.523	0.3543650	1996-06-01
AK	CVn	max	37370.644	0.5434330	2012-03-13
AR	CVn	max	38521.420	0.6272340	2012-03-14
AY	CVn	max	53861.718	0.6290160	2012-03-08
BD	CVn	max	54480.880	0.5596520	2012-03-06
EU	CVn	max	51280.840	0.5625170	2012-03-14
GSC 02005.00435	CVn	min	51273.728	0.4164260	2012-03-19
GSC 02524.01001	CVn	max	51246.605	0.5862030	2010-04-05
GSC 02530.01069	CVn	min	55369.753	0.3615640	2012-03-19
GSC 02532.00083	CVn	max	51259.197	0.5518750	2012-03-19
Y	CMi	max	48687.343	0.4866070	2003-05-08
TX	CMi	min	36598.611	0.3892173	1996-06-01
UY	CMi	min	25532.840	4.4499000	2012-01-18
AD	CMi	max	42429.458	0.1229745	2002-04-20
AN	CMi	min	34779.337	1.8222950	2011-12-28
AO	CMi	min	34424.373	0.8531025	1998-10-03
BX	CMi	min	50122.482	1.5350930	2012-03-14
EP	CMi	min	52651.800	2.7253500	2012-03-10
EQ	CMi	min	53660.851	0.4795360	2012-03-10
GSC 00189.00821	CMi	min	54548.577	0.4755120	2012-03-09
GSC 00195.01901	CMi	min	52701.660	0.3953890	2012-03-10
RR	Com	max	42480.420	0.3805500	2012-03-07
UX	Com	min	25798.379	3.6424090	2011-08-17
UZ	Com	max	37351.175	0.7369710	2012-03-03

YY	Com	max	37668.535	0.7366700	2012-03-03
BQ	Com	max	51617.850	0.5132760	2012-03-03
GU	Com	max	38462.618	0.4907790	2012-03-03
GSC 04391.00491	Dra	min	51319.120	0.4394030	2012-03-13
CY	Hya	max	30052.326	0.5769330	2012-03-03
HU	Hya	min	27120.550	2.5164280	2006-12-20
V 425	Hya	max	51546.980	0.5508490	2012-03-08
SU	Leo	max	34423.463	0.4722642	1998-06-28
AN	Leo	max	19858.407	0.5719420	2012-02-29
AV	Leo	max	26331.540	0.5002900	2012-02-29
AW	Leo	max	38112.492	0.6277020	2012-03-04
BO	Leo	max	38458.305	0.5472000	2012-02-03
BU	Leo	max	25329.475	0.5994720	2012-03-04
CF	Leo	max	37788.455	0.7388970	2012-03-05
HO	Leo	max	51464.555	0.4614080	2012-03-08
SW	Oph	min	38957.395	2.4460700	2010-09-30
VV	Ori	min	20095.222	1.4853770	2012-01-18
V 642	Ori	min	27126.340	9.1855100	2012-01-01
V 642	Ori	sek	27130.450	9.1855100	2012-01-01
GSC 00142.01638	Ori	min	53363.693	1.0631400	2012-02-29
SW	Psc	max	38652.441	0.5211080	2012-02-19
VV	Psc	max	38996.470	0.5038930	2012-02-06
WY	Psc	max	54867.600	0.5830300	2012-02-08
AI	Psc	max	53997.810	0.5129330	2012-02-05
AK	Psc	max	55478.880	0.6084880	1996-06-01
AL	Psc	max	54478.710	0.4567860	2012-02-07
AT	Psc	min	44982.228	3.7834850	2012-02-23
AU	Psc	max	45280.235	0.6570360	2012-02-23
AV	Psc	max	45561.529	0.4767510	2012-02-23
BM	Psc	min	55113.956	0.4747680	2012-02-23
BN	Psc	min	54875.628	0.3491180	2012-02-23
FF	Psc	max	51462.670	0.7011270	2012-02-24
FI	Psc	max	51497.690	0.5312810	2012-02-24
FQ	Psc	max	51522.690	0.5498890	2012-02-24
FV	Psc	max	51480.867	0.7892650	2012-02-26
FY	Psc	min	51486.775	0.3562170	2012-02-27
GG	Psc	min	51479.532	0.4562420	2012-02-27
GI	Psc	max	51427.860	0.7341740	2012-02-27
GK	Psc	min	51478.637	0.3675470	2012-02-27
GM	Psc	max	51482.600	0.5617800	2012-02-26
GO	Psc	min	51504.673	0.4807540	2012-02-26
GQ	Psc	max	51483.590	0.3020680	2012-02-26
GS	Psc	max	51491.900	0.3821300	2006-02-14
GT	Psc	min	51375.670	0.8735360	2012-02-26
GX	Psc	min	51483.870	0.4343100	2012-02-27
GY	Psc	min	51493.572	0.2902520	2012-02-27
HP	Psc	max	51415.890	0.4882730	2012-02-27
HAT	Psc	max	51382.930	0.5478140	2012-02-27
V1	Psc	min	51874.059	0.2508940	2012-02-23
GSC 00043.00686	Psc	min	51923.577	0.4446190	2012-02-28
GSC 00572.00251	Psc	max	51450.690	0.6005240	2012-02-28
GSC 00572.01112	Psc	max	51475.640	0.3577490	2012-02-28
GSC 00575.00912	Psc	max	51505.640	0.5362620	2012-02-28
GSC 00580.01041	Psc	max	51375.790	0.5934260	2012-02-28

GSC 01194.00613	Psc	min	55896.721	0.3758380	2012-03-09
GSC 05251.00432	Psc	max	51470.680	0.6450360	2012-02-28
LX	Ser	min	44293.024	0.1584325	2007-09-06
U	Sex	max	45761.413	0.5390290	2012-03-08
GZ	UMa	min	51556.830	6.5419750	2011-04-27
TT	Vir	max	53773.035	0.4972000	2012-03-06
UW	Vir	min	44345.413	1.8107670	2007-09-14
UZ	Vir	max	25004.420	0.4593910	2012-03-08
VX	Vir	max	19865.337	0.5429977	2012-03-09
ZZ	Vir	max	43600.493	0.6841020	2012-03-09
AH	Vir	min	39527.576	0.4075265	2011-09-11
AM	Vir	max	26859.275	0.6150865	2012-03-09
BI	Vir	max	26840.356	0.3356632	2012-03-09
HT	Vir	min	48760.665	0.4076730	2007-09-19

The elements, in HJD indeed, are given for maxima in the case of pulsating stars
and for primary minima in the case of eclipsing stars.
Usualy no elements for secondary minima are given, the only exception is V 642 Ori.

If the star is eclipsing and mentioned in the O-C GATE, then the elements
are identical to those of the O-C GATE, state March 2012.
The last column is the date when the elements where inserted into the database.

Minima and Maxima timings

The table contains the following columns:

01 Star Name. As taken from GCVS, NSV, GSC or the lists mentioned above.
02 Constellation
03 Kind of extremum. p = primary, s = secondary, Max = maximum (RR Lyrae star)
Min = minimum of RR Lyr stars, usefull to calculate (M-m)/P
04 Julian heliocentric time observed, add 2 400 000.0
It is based on UTC, leap seconds included.
05 Error estimated
06 O-C value. 0 if no elements are given.
07 Number of measurements (ccd images) used. 0 if entire lightcurve was used
or the observer did not communicate the value.
08 Color. ccd = unfiltered ccd, V = Johnson
09 Instrument, see list above

FP	And	max	53735.6650	0.0100	-	0.0391	ccd	0	Catalina
FQ	And	max	54536.6080	0.0100	-	0.0004	ccd	0	Catalina
FR	And	max	54011.8850	0.0100	+	0.0426	ccd	0	Catalina
FT	And	max	54407.8630	0.0100	-	0.0744	ccd	0	Catalina
HU	And	p	53657.7260	0.0070	-	0.0016	ccd	0	Catalina
HX	And	max	54414.7010	0.0100	-	0.0017	ccd	0	Catalina
II	And	max	54808.5700	0.0100	+	0.0005	ccd	0	Catalina
IL	And	p	53694.6670	0.0100	+	0.0397	ccd	0	Catalina
IM	And	s	53694.6670	0.0050	-	0.1082	ccd	0	Catalina
IM	And	p	55144.8150	0.0050	-	0.1060	ccd	0	Catalina
IN	And	max	53709.7050	0.0100	+	0.0942	ccd	0	Catalina
IP	And	p	55100.7950	0.0100	+	0.0002	ccd	0	Catalina
IQ	And	max	53684.6920	0.0080	+	0.0032	ccd	0	Catalina
IR	And	max	55840.8150	0.0100	+	0.0037	ccd	0	Catalina
IT	And	max	54040.7030	0.0100	-	0.0043	ccd	0	Catalina
LV	And	max	55515.7440	0.0050	+	0	ccd	0	Catalina

LW	And	p	55488.7030	0.0100	+	0	ccd	0	Catalina
MN	And	p	53765.6110	0.0050	+	0	ccd	0	Catalina
MP	And	max	53765.5880	0.0050	+	0	ccd	0	Catalina
MS	And	p	53706.8490	0.0100	+	0	ccd	0	Catalina
MT	And	s	55104.8450	0.0050	+	0.0047	ccd	0	Catalina
MT	And	p	55892.8900	0.0050	+	0	ccd	0	Catalina
MU	And	max	53734.7280	0.0100	+	0	ccd	0	Catalina
MV	And	max	54059.7000	0.0100	+	0	ccd	0	Catalina
MW	And	p	54389.7530	0.0080	-	0.0088	ccd	0	Catalina
MW	And	p	54452.8000	0.0080	-	0.0029	ccd	0	Catalina
MX	And	max	53706.8320	0.0100	+	0	ccd	0	Catalina
NN	And	max	53695.6400	0.0100	+	0	ccd	0	Catalina
NO	And	max	55840.6700	0.0100	+	0	ccd	0	Catalina
NQ	And	max	53995.7880	0.0100	+	0	ccd	0	Catalina
NR	And	max	54085.6730	0.0120	-	0.0057	ccd	0	Catalina
NT	And	max	54480.6650	0.0080	+	0.0018	ccd	0	Catalina
NU	And	max	55352.9620	0.0100	+	0.0064	ccd	0	Catalina
NW	And	max	55858.8280	0.0080	+	0.0027	ccd	0	Catalina
NX	And	max	55131.7360	0.0100	-	0.0107	ccd	0	Catalina
NZ	And	p	55866.7860	0.0100	-	0.0059	ccd	0	Catalina
OX	And	max	55852.7900	0.0080	-	0.0409	ccd	0	Catalina
OZ	And	max	55830.8600	0.0100	-	0.0119	ccd	0	Catalina
PP	And	p	53765.6140	0.0100	+	0.0030	ccd	0	Catalina
QS	And	p	55486.7720	0.0100	+	0	ccd	0	Catalina
QX	And	p	54031.8650	0.0100	+	0.0058	ccd	0	Catalina
QX	And	s	55858.8200	0.0100	+	0.0041	ccd	0	Catalina
V 382	And	p	55918.2900	0.0080	-	0.0501	ccd	75	50mm+ST7
V 406	And	p	55925.3370	0.0200	+	0.0262	ccd	152	50mm+ST7
UU	Aqr	p	55923.2650	0.0010	-	0.0012	ccd	35	28cm+G2
WX	Aqr	max	53626.6940	0.0100	-	0.0064	ccd	0	Catalina
XZ	Aqr	p	55451.6820	0.0100	-	0.0039	ccd	0	Catalina
AK	Aqr	max	55352.9480	0.0100	-	0.0288	ccd	0	Catalina
SZ	Boo	max	55988.5750	0.0040	-	0.0020	ccd	106	28cm+G2
UW	Boo	p	56001.4590	0.0050	+	0.0056	ccd	52	50mm+ST7
VX	Boo	max	54504.9230	0.0100	-	0.0023	ccd	0	Catalina
VZ	Boo	max	53851.8560	0.0200	+	0	ccd	0	Catalina
XY	Boo	s	55979.6010	0.0050	+	0.0033	ccd	360	28cm+G2
AF	Boo	max	53902.8180	0.0100	+	0.0024	ccd	0	Catalina
AK	Boo	p	54593.7820	0.0070	+	0.0001	ccd	0	Catalina
AK	Boo	s	54599.6820	0.0080	+	0.0008	ccd	0	Catalina
AM	Boo	max	51277.6800	0.0200	-	0.0020	ccd	0	Rotse
AM	Boo	max	55708.8000	0.0090	+	0.0002	ccd	0	Catalina
AN	Boo	max	55281.8540	0.0100	+	0.0074	ccd	0	Catalina
AO	Boo	max	54170.0150	0.0150	+	0	ccd	0	Catalina
AO	Boo	max	55281.8460	0.0150	-	0.0854	ccd	0	Catalina
AP	Boo	max	54276.7200	0.0100	-	0.0039	ccd	0	Catalina
AS	Boo	max	54909.9460	0.0100	+	0.0035	ccd	0	Catalina
CK	Boo	p	55998.6290	0.0040	-	0.0002	ccd	93	35mm+ST7
FT	Boo	max	54625.8750	0.0100	+	0.0003	ccd	0	Catalina
FY	Boo	p	55636.7850	0.0080	+	0.0010	ccd	0	Catalina
HS	Boo	max	53886.8130	0.0100	+	0	ccd	0	Catalina
HT	Boo	max	53551.7590	0.0100	+	0.0002	ccd	0	Catalina
HV	Boo	max	55357.6880	0.0100	+	0	ccd	0	Catalina
WX	Cnc	p	55943.6590	0.0020	+	0.0008	ccd	140	28cm+G2

AM	Cnc	max	54448.9040	0.0080	+	0.0082	ccd	0	Catalina	
NSV 04158	Cnc	p	53866.6880	0.0080	-	0.0009	ccd	0	Catalina	
NSV 04158	Cnc	s	55147.0400	0.0080	+	0.0007	ccd	0	Catalina	
NSV 04188	Cnc	s	54537.6910	0.0100	-	0.0055	ccd	0	Catalina	
G1394.1969	Cnc	p	53711.6720	0.0100	+	0	VI	0	Tarot	Alain Klotz
G1394.1969	Cnc	p	55510.9770	0.0100	+	0.0022	ccd	0	Catalina	
UU	CVn	max	55045.6630	0.0100	+	0.0011	ccd	0	Catalina	
UW	CVn	max	55328.8190	0.0100	-	0.0014	ccd	0	Catalina	
WW	CVn	max	54141.9600	0.0120	+	0.0164	ccd	0	Catalina	
WX	CVn	max	54176.9130	0.0100	-	0.0049	ccd	0	Catalina	
WY	CVn	max	55296.8250	0.0100	-	0.0007	ccd	0	Catalina	
WZ	CVn	max	54593.7710	0.0100	+	0.0006	ccd	0	Catalina	
XX	CVn	max	55274.9730	0.0100	+	0.0069	ccd	0	Catalina	
YY	CVn	max	54589.8040	0.0200	-	0.0054	ccd	0	Catalina	
AA	CVn	max	54412.0020	0.0100	-	0.0007	ccd	0	Catalina	
AB	CVn	p	55293.8370	0.0100	-	0.0018	ccd	0	Catalina	
AC	CVn	max	54535.9400	0.0100	-	0.0022	ccd	0	Catalina	
AD	CVn	max	55244.9170	0.0100	-	0.0023	ccd	0	Catalina	
AE	CVn	max	54807.9630	0.0100	-	0.0009	ccd	0	Catalina	
AF	CVn	max	55338.7400	0.0100	+	0.0095	ccd	0	Catalina	
AG	CVn	max	54482.9990	0.0100	+	0.0060	ccd	0	Catalina	
AH	CVn	max	53885.7140	0.0100	+	0.0102	ccd	0	Catalina	
AH	CVn	max	55325.8380	0.0100	-	0.0052	ccd	0	Catalina	
AK	CVn	max	54594.7500	0.0100	-	0.0029	ccd	0	Catalina	
AR	CVn	max	55629.8650	0.0150	+	0.0104	ccd	0	Catalina	
AY	CVn	max	53861.7180	0.0100	+	0	ccd	0	Catalina	
BD	CVn	max	54480.8800	0.0100	+	0	ccd	0	Catalina	
EU	CVn	max	54916.9520	0.0100	+	0.0021	ccd	0	Catalina	
G2005.0435	CVn	p	54174.9650	0.0080	-	0.0029	ccd	0	Catalina	
G2524.1001	CVn	max	54128.9720	0.0080	+	0.0072	ccd	0	Catalina	
G2530.1069	CVn	p	55369.7530	0.0100	+	0	ccd	0	Catalina	
G2532.0083	CVn	max	54914.7860	0.0100	-	0.0306	ccd	0	Catalina	
Y	CMi	max	55923.6040	0.0070	-	0.0717	ccd	203	28cm+G2	
TX	CMi	p	55941.5500	0.0020	+	0.0068	ccd	191	28cm+G2	
UY	CMi	p	55943.4650	0.0100	+	0.0084	ccd	175	28cm+G2	
AD	CMi	max	55997.3660	0.0020	+	0.0082	ccd	84	35mm+ST7	
AD	CMi	max	55998.3490	0.0020	+	0.0074	ccd	70	35mm+ST7	
AN	CMi	p	55923.4260	0.0060	+	0.0001	ccd	153	28cm+G2	
AO	CMi	p	55923.4130	0.0040	+	0.0039	ccd	133	28cm+G2	
BX	CMi	p	56000.3530	0.0080	-	0.0001	ccd	25	35mm+ST7	
EP	CMi	s	53481.6680	0.0120	-	0.0014	ccd	0	Catalina	
EP	CMi	p	55679.6700	0.0120	+	0.0062	ccd	0	Catalina	
EQ	CMi	p	55679.6816	0.0100	-	0.0159	ccd	0	Catalina	
G0189.0821	CMi	p	54944.6800	0.0080	+	0.0015	ccd	0	Catalina	
G0195.1901	CMi	p	55588.7900	0.0100	-	0.0005	ccd	0	Catalina	
RR	Com	max	54276.7300	0.0300	+	0.0211	ccd	0	Catalina	
UX	Com	p	55997.5980	0.0100	+	0.0060	ccd	128	35mm+ST7	
UZ	Com	max	54244.7590	0.0150	-	0.0022	ccd	0	Catalina	
YY	Com	max	51274.8400	0.0200	+	0.0101	ccd	0	Rotse	
YY	Com	max	55146.0320	0.0080	+	0.0012	ccd	0	Catalina	
BQ	Com	max	53490.7950	0.0080	+	0.0009	ccd	0	Catalina	
GU	Com	max	53800.9280	0.0100	-	0.0061	ccd	0	Catalina	
GU	Com	max	53887.7690	0.0100	-	0.0330	ccd	0	Catalina	
G4391.0491	Dra	p	55999.6370	0.0040	-	0.0038	ccd	100	35mm+ST7	

CY	Hya	max	54822.9440	0.0100	-	0.0004	ccd	0	Catalina	
HU	Hya	p	55918.5420	0.0050	-	0.0100	ccd	119	50mm+ST7	
V 425	Hya	max	55895.9360	0.0200	+	0.0031	ccd	0	Catalina	
SU	Leo	max	55941.7040	0.0040	-	0.0050	ccd	62	28cm+G2	
AN	Leo	max	54184.8070	0.0150	+	0.1570	ccd	0	Catalina	
AV	Leo	max	55242.8040	0.0100	+	0.0052	ccd	0	Catalina	
AW	Leo	max	54450.9460	0.0100	-	0.0014	ccd	0	Catalina	
BO	Leo	max	55988.4060	0.0070	+	0.0018	ccd	88	28cm+G2	
BU	Leo	max	54204.8270	0.0200	-	0.0153	ccd	0	Catalina	
CF	Leo	max	54591.7080	0.0200	-	0.0037	ccd	0	Catalina	
HO	Leo	max	55208.8800	0.0100	-	0.0009	ccd	0	Catalina	
SW	Oph	p	56001.6070	0.0060	-	0.0038	ccd	52	50mm+ST7	
VV	Ori	p	55943.3070	0.0100	-	0.0033	ccd	722	12mm+G1	
V 642	Ori	s	52702.5510	0.0200	-	0.3588	V	0	Asas	
V 642	Ori	s	53097.5030	0.0200	-	0.3838	V	0	Asas	
V 642	Ori	p	53387.7200	0.0200	+	0.0069	V	0	Asas	
V 642	Ori	p	54517.5420	0.0200	+	0.0112	V	0	Asas	
V 642	Ori	p	55941.3320	0.0080	+	0.0471	V	443	28cm+G2	
G0142.1638	Ori	p	53363.6930	0.0080	+	0	V	0	Tarot	Alain Klotz
G0142.1638	Ori	p	53751.7510	0.0080	+	0.0119	V	0	Asas	
SW	Psc	max	54056.7120	0.0100	-	0.2026	ccd	0	Catalina	
VV	Psc	max	53642.7960	0.0100	+	0.1721	ccd	0	Catalina	
WY	Psc	max	54867.6000	0.0100	+	0	ccd	0	Catalina	
AI	Psc	max	53997.8100	0.0100	+	0	ccd	0	Catalina	
AK	Psc	max	55478.8800	0.0100	+	0	ccd	0	Catalina	
AL	Psc	max	54478.7100	0.0070	+	0	ccd	0	Catalina	
AT	Psc	p	53657.7580	0.0070	-	0.0011	ccd	0	Catalina	
AU	Psc	max	55100.8490	0.0100	-	0.1031	ccd	0	Catalina	
AV	Psc	max	55100.7950	0.0070	-	0.0448	ccd	0	Catalina	
BM	Psc	p	55113.9560	0.0100	+	0	ccd	0	Catalina	
BN	Psc	p	54875.6280	0.0100	+	0	ccd	0	Catalina	
BN	Psc	s	55141.8280	0.0100	-	0.0029	ccd	0	Catalina	
FF	Psc	max	53700.6870	0.0100	+	0.0196	ccd	0	Catalina	
FF	Psc	max	54380.7490	0.0100	-	0.0116	ccd	0	Catalina	
FI	Psc	max	54733.7460	0.0200	+	0.0234	ccd	0	Catalina	
FQ	Psc	max	55241.5950	0.0100	+	0.0057	ccd	0	Catalina	
FV	Psc	max	55863.6580	0.0070	+	0.0025	ccd	0	Catalina	
FY	Psc	p	54417.7320	0.0100	+	0.0035	ccd	0	Catalina	
GG	Psc	p	53708.7300	0.0080	-	0.0004	ccd	0	Catalina	
GI	Psc	max	55576.6740	0.0100	-	0.0033	ccd	0	Catalina	
GK	Psc	p	55100.8150	0.0070	+	0.0023	ccd	0	Catalina	
GM	Psc	max	53728.6290	0.0100	+	0.0326	ccd	0	Catalina	
GO	Psc	s	55133.6650	0.0100	+	0.0208	ccd	0	Catalina	
GO	Psc	p	55858.8580	0.0100	-	0.0040	ccd	0	Catalina	
GQ	Psc	max	55176.6700	0.0200	-	0.0034	ccd	0	Catalina	
GS	Psc	max	54382.7150	0.0100	+	0.0015	ccd	0	Catalina	
GT	Psc	p	54055.6950	0.0150	+	0.0166	ccd	0	Catalina	
GX	Psc	p	55059.9790	0.0100	+	0.0005	ccd	0	Catalina	
GY	Psc	p	54514.6250	0.0150	+	0.1102	ccd	0	Catalina	
HP	Psc	max	54745.8900	0.0100	-	0.0219	ccd	0	Catalina	
HT	Psc	max	54354.8220	0.0100	+	0.0010	ccd	0	Catalina	
V1	Psc	s	51871.9270	0.0050	+	0.0010	ccd	0		
V1	Psc	p	51874.0590	0.0050	+	0	ccd	0		
V1	Psc	p	54080.6700	0.0080	-	0.0017	ccd	0	Catalina	

G0043.0686	Psc	p	53007.5570	0.0080	-	0.0011	V	0	Asas	
G0043.0686	Psc	s	54376.7620	0.0080	-	0	V	0	Asas	
G0043.0686	Psc	s	55061.9210	0.0100	+	0.0011	ccd	0	Catalina	
G0043.0686	Psc	p	55534.7720	0.0100	-	0.0005	ccd	0	Catalina	
G0572.0251	Psc	max	55382.9120	0.0080	-	0.0092	ccd	0	Catalina	
G0572.1112	Psc	max	54416.6340	0.0100	-	0.0605	ccd	0	Catalina	
G0575.0912	Psc	max	53905.9420	0.0100	-	0.0067	ccd	0	Catalina	
G0580.1041	Psc	max	53976.8020	0.0100	+	0.0258	ccd	0	Catalina	
G1194.0613	Psc	p	54498.6070	0.0100	+	0.0034	ccd	0	Catalina	
G5251.0432	Psc	max	54127.5760	0.0100	-	0.0073	ccd	0	Catalina	
LX	Ser	p	55988.6690	0.0010	-	0.0006	ccd	52	28cm+G2	
U	Sex	max	54141.7740	0.0100	+	0.0771	ccd	0	Catalina	
U	Sex	max	55646.6420	0.0100	-	0.0238	ccd	0	Catalina	
GZ	UMa	p	53905.4090	0.0100	+	0.0100	VI	0	Tarot	Alain Klotz
GZ	UMa	s	54052.5850	0.0100	-	0.0085	VI	0	Tarot	Alain Klotz
TT	Vir	max	53773.0350	0.0100	+	0	ccd	0	Catalina	
UW	Vir	p	55979.5900	0.0030	-	0.0010	ccd	55	50mm+G1	
UZ	Vir	max	53858.7710	0.0100	+	0.0023	ccd	0	Catalina	
VX	Vir	max	53494.8120	0.0100	-	0.0016	ccd	0	Catalina	
VX	Vir	max	55575.0370	0.0100	-	0.0007	ccd	0	Catalina	
ZZ	Vir	max	54949.7460	0.0100	+	0.0008	ccd	0	Catalina	
AH	Vir	p	56000.6150	0.0030	+	0.0028	ccd	140	35mm+ST7	
AM	Vir	max	54886.9230	0.0150	+	0.0015	ccd	0	Catalina	
BI	Vir	max	54906.8350	0.0100	+	0.0005	ccd	0	Catalina	
HT	Vir	s	55943.6600	0.0070	+	0.0008	ccd	212	50mm+G1	

Remarks:

KM And a double star, both components constant in Catalina data.

LW And poor lightcurve, possibly additional variability.

LZ And probably constant.

MR And possibly RRd star, needs deeper study.
Frequency f=1.1574034/d seems important.

NN And shows Blazhko effect.

NP And eruptions or corrupted Catalina data?

QR And From Catalina data no minimum can be determined.

AK Boo O'Conel effect

AO Boo lightcurve seriously disturbed

AG Cnc no period certain. 3.085636 days?

NSV 04140 Cnc frequently observed at normal brightness, sometimes fainter.
But no period was found..

NSV 04281 Cnc no period was found.

NSV 04304 Cnc seldomly brighter or fainter. No period found.
0.854025 ist the best value, but not convincing.

GSC 00195.00658 CMi The elements given in IBVS 5458 give no reasonable
lightcurve with Catalina data.

YY CVn disturbed data, result uncertain.

EQ CVn not conclusive.

FW CVn not conclusive.

RR Com disturbed lightcurve, not very conclusive.

GU Com Blazhko effect.

V 425 Hya Blazhko effect.

AN Leo The period found from Catalina data is significantly
different from GCVS value and gives a confused O-C diagram.
The star needs future study.

BB Leo The folded lightcurve from Catalina data is confused.
The O-C diagram sugests a significantly longer period.

CF Leo Seriously scattered, but not distorted lightcurve.

SW Psc The star shows Blazhko effect. The present period is much
shorter as due to literature.

WY Psc discovery published with inaccurate coordinates, lost.
The star found in Catalina data is about 2.5 arcmin from
the GCVS coordinates.

FF Psc difficult. Also a great difference between P.Wils an M.Nicholson

GY Psc not conclusive. Period 0.339685 is also possible.

V1 Psc the discovery was anounced in IBVS 5053, but without elements.
IBVS 5053 data are much better then Catalina.

GSC 00043.00686 Psc is an EW star, in accordance with Asas, contrary to Wils.

References:

- Samus N.N. et al. 2006 General Catalog of Variable Stars, 4th edition electronic version http://www.sai.msu.su/groups/cluster/gcvs/
- Pojmanski G., 2005, ASAS-3, http://www.astrouw.edu.pl/~gp/asas/asas.html
- Motl David, 2006, C-Munipack http://c-munipack.sourceforge.net/
- O-C GATE http://var.astro.cz/ocgate/
- Catalina http://nesssi.cacr.caltech.edu /DataRelease/
- RafV catalog http://var.astro.cz/newrafv.php?lang=en

- Rotse http://skydot.lanl.gov/
- ESO Online Digitised Sky Survey http://arch-http.hq.eso.org/dss/dss
- Tarot (described in OEJV 0070) http://tarot.obs-hp.fr/tarot
- This research has made use of the SIMBAD database operated at CDS, Strasbourg, France.