

# Variable Star Bulletin

## CCD and DSLR maxima of RR Lyrae stars in 2015

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Following table is summary of maximum timings of RR Lyrae stars in 2015 by VSOLJ members.

star	max.HJD	O-C	err	E	band	n	obs. code	inst.
SW And	2457297.9560	+0.0004	0.0016	8055	cG	163	Hsk	CANON KISS X3
XX And	2457303.1044	+0.0024	0.0018	5037	V	118	Hsk	25cmL+ST402ME
ZZ And	2457378.9155	+0.0196	0.0032	7308	V	156	Hsk	20cmL+ST402ME
AT And	2457327.0396	+0.0134	0.0035	6548	V	179	Hsk	13cmR+ST8XME
BK And	2457338.9189	-0.0105	0.0017	15651	V	98	Hsk	13cmR+ST8XME
CI And	2457270.1390	-0.0178	0.0023	12024	V	139	Hsk	20cmL+ST402ME
DR And	2457249.2400	-0.1271	0.0023	8220	V	121	Hsk	25cmL+ST402ME
DR And	2457276.2939	-0.1034	0.0008	8268	V	114	Hsk	20cmL+ST402ME
OV And	2457298.1626	-0.0096	0.0015	8421	V	176	Hsk	13cmR+ST8XME
V548 And	2457375.9324	-0.0022	0.0028	7184	V	134	Hsk	25cmL+ST402ME
V569 And	2457386.9675	-0.0502	0.0028	10783	V	171	Hsk	25cmL+ST402ME
AA Aql	2457331.9098	+0.0218	0.0014	13235	cG	158	Hsk	16cmL+CANON X
V341 Aql	2457332.8974	+0.0036	0.0022	4433	V	107	Hsk	20cmL+ST402ME
SW Aqr	2457202.2093	+0.0311	0.0013	9374	V	188	Hsk	20cmL+ST402ME
SX Aqr	2457270.1095	-0.0046	0.0016	6323	V	104	Hsk	13cmR+ST8XME
SX Aqr	2457277.0741	-0.0042	0.0015	6336	V	119	Hsk	20cmL+ST402ME
TZ Aqr	2457293.9593	+0.0306	0.0034	7653	V	78	Hsk	20cmL+ST402ME
TZ Aqr	2457297.9581	+0.0310	0.0027	7660	V	138	Hsk	25cmL+ST402ME
BN Aqr	2457270.0256	-0.0717	0.0013	9303	V	80	Hsk	13cmR+ST8XME
BO Aqr	2457229.2394	+0.0286	0.0024	6205	V	111	Hsk	25cmL+ST402ME
BR Aqr	2457341.9490	-0.0056	0.0012	10943	V	223	Hsk	16cmL+ST402ME
CP Aqr	2457229.2087	+0.0064	0.0008	11080	V	139	Hsk	20cmL+ST402ME
FX Aqr	2457270.1183	-0.0118	0.0043	6828	V	148	Hsk	25cmL+ST402ME
HH Aqr	2457230.1513	-0.0736	0.002	9297	V	155	Hsk	13cmR+ST8XME
HH Aqr	2457257.1499	-0.0733	0.0024	9344	V	131	Hsk	25cmL+ST402ME
HH Aqr	2457295.0562	-0.0810	0.0018	9410	V	183	Hsk	20cmL+ST402ME
OX Aqr	2457302.9889	-0.0808	0.0047	5376	V	147	Hsk	20cmL+ST402ME
X Ari	2457303.2387	+0.0625	0.0023	6770	cG	174	Hsk	CANON KISS X3
SY Ari	2457270.2600	-0.0247	0.0024	6500	V	154	Hsk	20cmL+ST402ME
SY Ari	2457379.0629	-0.0247	0.0025	6692	V	180	Hsk	20cmL+ST402ME

star	max.HJD	O-C	err	E	band	n	obs. code	inst.
TV Ari	2457270.2313	+0.0211	0.0026	6776	V	184	Hsk	25cmL+ST402ME
TV Ari	2457327.0611	+0.0184	0.0025	6874	V	203	Hsk	20cmL+ST402ME
BL Ari	2457310.0564	-0.0566	0.0016	5726	V	196	Hsk	25cmL+ST402ME
BL Ari	2457357.9221	-0.0486	0.0038	5820	V	181	Hsk	25cmL+ST402ME
CI Ari	2457298.1829	-0.0555	0.0016	9676	V	128	Hsk	25cmL+ST402ME
TZ Aur	2457109.9661	-0.0009	0.0009	8575	V	174	Hsk	13cmR+ST8XME
TZ Aur	2457284.2647	+0.0025	0.0013	9020	V	139	Hsk	20cmL+ST402ME
BH Aur	2457303.1923	+0.0057	0.0011	7779	V	132	Hsk	20cmL+ST402ME
RS Boo	2457046.2932	-0.0175	0.002	22648	C	131	Hsk	13cmR+ST8XME
SZ Boo	2457138.2557	-0.0031	0.002	7608	V	80	Hsk	13cmR+ST8XME
TW Boo	2457139.2006	-0.0493	0.0012	10482	V	145	Hsk	13cmR+ST8XME
UU Boo	2457230.0698	+0.0119	0.0016	5993	V	122	Hsk	13cmR+ST8XME
XX Boo	2457153.0046	-0.1082	0.0031	6308	V	108	Hsk	25cmL+ST402ME
DG Boo	2457147.9705	-0.0358	0.0016	6180	V	139	Hsk	25cmL+ST402ME
RZ Cam	2457303.2871	-0.0045	0.0013	5738	V	118	Hsk	20cmL+ST402ME
RZ Cam	2457358.0608	-0.0023	0.0016	5852	V	145	Hsk	25cmL+ST402ME
AH Cam	2457314.2254	+0.0296	0.0023	15705	V	183	Hsk	13cmR+ST8XME
RV Cap	2457297.9861	-0.0489	0.0014	52295	V	146	Hsk	20cmL+ST402ME
BK Cas	2457230.2199	+0.1061	0.0015	48461	V	158	Hsk	20cmL+ST402ME
BK Cas	2457276.2713	+0.1060	0.0023	48579	V	96	Hsk	25cmL+ST402ME
BR Cas	2457310.2288	+0.2485	0.0025	31077	V	222	Hsk	25cmL+ST402ME
HU Cas	2457276.2083	-0.0473	0.0012	62783	V	110	Hsk	13cmR+ST8XME
HU Cas	2457342.0642	-0.0467	0.0014	62943	V	122	Hsk	20cmL+ST402ME
IU Cas	2457293.9601	+0.0642	0.0034	43958	V	87	Hsk	25cmL+ST402ME
V568 Cas	2457309.9530	-0.0291	0.003	11351	V	168	Hsk	20cmL+ST402ME
V1109 Cas	2457284.1783	+0.1449	0.002	13458	V	148	Hsk	25cmL+ST402ME
RZ Cep	2457303.1087	-0.0611	0.005	47517	cG	174	Hsk	CANON KISS X3
DX Cep	2457295.0810	+0.0175	0.0017	35432	V	155	Hsk	25cmL+ST402ME
EZ Cep	2457303.1058	+0.1047	0.0014	80928	V	130	Hsk	20cmL+ST402ME
FP Cep	2457257.2234	-0.0447	0.0012	43042	V	124	Hsk	25cmL+ST402ME
FP Cep	2457326.9334	-0.0463	0.0012	43191	V	120	Hsk	25cmL+ST402ME
RR Cet	2457310.0376	+0.0159	0.0023	43630	cG	165	Hsk	CANON KISS X3
RR Cet	2457386.9100	+0.0173	0.0027	43769	cG	163	Hsk	CANON KISS X3
RU Cet	2457257.2314	+0.1297	0.0043	29731	V	110	Hsk	20cmL+ST402ME
RU Cet	2457277.1558	+0.1206	0.0015	29765	V	153	Hsk	13cmR+ST8XME
RZ Cet	2457378.9508	-0.2063	0.0021	45969	V	152	Hsk	25cmL+ST402ME
UU Cet	2457284.1040	-0.1644	0.0036	26524	V	159	Hsk	20cmL+ST402ME
GW Cet	2457376.0712	-0.2182	0.0053	9400	V	151	Hsk	13cmR+ST8XME
GW Cet	2457386.9121	-0.2247	0.0031	9421	V	174	Hsk	20cmL+ST402ME
X CMi	2457321.3171	-0.0427	0.0022	10160	V	100	Hsk	20cmL+ST402ME
AA CMi	2457342.3129	+0.0960	0.0013	43596	V	115	Hsk	16cmL+ST402ME
RW Cnc	2457373.3273	-0.0363	0.0015	11145	V	116	Hsk	20cmL+ST402ME
TT Cnc	2457387.1992	+0.0293	0.0025	5652	V	151	Hsk	13cmR+ST8XME
AN Cnc	2457342.2991	+0.0208	0.0018	6706	V	140	Hsk	20cmL+ST402ME
CQ Cnc	2457307.2904	-0.0076	0.0018	5262	V	131	Hsk	25cmL+ST402ME
CQ Cnc	2457358.1834	-0.0058	0.0015	5359	V	170	Hsk	25cmL+ST402ME
EZ Cnc	2457358.1850	+0.0091	0.0029	6533	V	125	Hsk	20cmL+ST402ME
KV Cnc	2457342.2089	-0.0343	0.0018	9125	V	142	Hsk	16cmL+ST402ME
W Crt	2457137.9874	-0.0291	0.0015	42459	V	211	Hsk	13cmR+ST8XME
RR CVn	2457148.1581	+0.0204	0.0014	24127	V	162	Hsk	20cmL+ST402ME
RU CVn	2457148.0984	-0.0138	0.002	5067	V	170	Hsk	25cmL+ST402ME
RX CVn	2457138.9883	+0.0191	0.0022	10331	V	160	Hsk	25cmL+ST402ME
SZ CVn	2457145.0079	+0.0006	0.0018	3404	V	165	Hsk	25cmL+ST402ME
UZ CVn	2457153.1227	+0.0033	0.0022	12400	V	126	Hsk	13cmR+ST8XME

star	max.HJD	O-C	err	E	band	n	obs. code	inst.
UY Cyg	2457230.0131	+0.0689	0.0017	62058	V	120	Hsk	20cmL+ST402ME
XZ Cyg	2457229.2516	-0.1244	0.0018	28080	cG	76	Hsk	CANON KISS X3
XZ Cyg	2457302.9680	-0.1466	0.0008	28238	cG	135	Hsk	CANON KISS X3
DM Cyg	2457148.2685	+0.0794	0.002	34692	V	126	Hsk	13cmR+ST8XME
DM Cyg	2457277.1670	+0.0809	0.002	34999	V	127	Hsk	20cmL+ST402ME
V759 Cyg	2457303.0476	-0.0410	0.0016	54938	V	193	Hsk	13cmR+ST8XME
BV Del	2457314.0708	+0.0212	0.0017	75066	V	163	Hsk	13cmR+ST8XME
CK Del	2457298.0742	+0.0820	0.001	51265	V	142	Hsk	20cmL+ST402ME
RW Dra	2457114.2088	+0.2065	0.0013	40045	V	101	Hsk	20cmL+ST402ME
VZ Dra	2457138.1546	+0.0409	0.0039	42914	V	139	Hsk	20cmL+ST402ME
XZ Dra	2457229.9864	-0.1358	0.0014	32113	cG	121	Hsk	CANON KISS X3
XZ Dra	2457249.9990	-0.1360	0.0011	32155	cG	99	Hsk	CANON KISS X3
BT Dra	2457138.9996	-0.0190	0.0029	44854	V	166	Hsk	20cmL+ST402ME
RT Equ	2457341.9164	-0.1558	0.0024	43776	V	168	Hsk	20cmL+ST402ME
RX Eri	2457307.1930	-0.0075	0.0036	60647	cG	92	Hsk	CANON KISS X3
RX Eri	2457387.0577	-0.0083	0.0025	60783	V	153	Hsk	13cmR+ST8XME
SV Eri	2457303.2009	+0.2880	0.0036	30472	V	167	Hsk	13cmR+ST8XME
UZ Eri	2457327.1769	-0.0909	0.0024	46155	V	123	Hsk	20cmL+ST402ME
UZ Eri	2457379.0668	-0.0904	0.0027	46235	V	148	Hsk	25cmL+ST402ME
BB Eri	2457342.1183	-0.2703	0.0026	31204	V	174	Hsk	16cmL+ST402ME
BI Eri	2457342.1496	-0.0346	0.003	11669	V	151	Hsk	13cmR+ST8XME
BK Eri	2457298.2739	-0.1491	0.0014	35368	V	145	Hsk	20cmL+ST402ME
BN Eri	2457309.2837	-0.1850	0.0013	11931	V	157	Hsk	25cmL+ST402ME
BN Eri	2457358.0529	-0.1858	0.002	12031	V	163	Hsk	20cmL+ST402ME
RR Gem	2457310.2600	-0.1575	0.0019	40153	cG	166	Hsk	CANON KISS X3
SZ Gem	2457309.2412	-0.0820	0.0009	60094	V	160	Hsk	25cmL+ST402ME
GI Gem	2457342.1661	+0.0675	0.0016	62307	V	162	Hsk	20cmL+ST402ME
V426 Gem	2457307.2435	-0.0120	0.0041	10886	V	156	Hsk	20cmL+ST402ME
DL Her	2457148.2679	+0.0570	0.0027	32013	V	132	Hsk	20cmL+ST402ME
EE Her	2457114.2582	+0.1235	0.0018	57939	V	129	Hsk	25cmL+ST402ME
EP Her	2457153.0872	-0.0968	0.0011	68366	V	164	Hsk	25cmL+ST402ME
V347 Her	2457269.9849	-0.1424	0.0018	39392	V	159	Hsk	25cmL+ST402ME
V442 Her	2457138.1663	+0.1407	0.0019	48424	V	150	Hsk	25cmL+ST402ME
V442 Her	2457230.1145	+0.1354	0.0018	48632	V	146	Hsk	20cmL+ST402ME
V552 Her	2457153.2200	-0.0068	0.001	21211	V	178	Hsk	25cmL+ST402ME
V1318 Her	2457250.0222	-0.0268	0.0023	7148	V	185	Hsk	25cmL+ST402ME
V1348 Her	2457153.1085	-0.0336	0.003	4146	V	156	Hsk	20cmL+ST402ME
UU Hya	2457147.9829	+0.0155	0.0020	33728	V	131	Hsk	20cmL+ST402ME
WZ Hya	2457376.2601	+0.0004	0.0021	33008	V	110	Hsk	20cmL+ST402ME
DD Hya	2457358.2082	-0.2336	0.0026	31215	V	102	Hsk	13cmR+ST8XME
DH Hya	2457358.2868	+0.1012	0.0016	53542	V	112	Hsk	13cmR+ST8XME
ET Hya	2457387.2074	+0.1650	0.0026	31313	V	156	Hsk	20cmL+ST402ME
IV Hya	2457376.3267	+0.1679	0.0025	26824	V	112	Hsk	25cmL+ST402ME
V496 Hya	2457376.3370	-0.0211	0.003	7334	V	105	Hsk	20cmL+ST402ME
CQ Lac	2457276.1611	+0.1804	0.002	35868	V	119	Hsk	20cmL+ST402ME
PW Lac	2457257.1103	+0.2120	0.0022	38524	V	198	Hsk	13cmR+ST8XME
ST Leo	2457046.2031	-0.0203	0.002	60929	C	119	Hsk	13cmR+ST8XME
SZ Leo	2457337.3226	-0.0137	0.0013	22226	V	107	Hsk	16cmL+ST402ME
TV Leo	2457145.0052	+0.1252	0.0019	29878	V	151	Hsk	20cmL+ST402ME
AE Leo	2457139.1176	+0.1083	0.0031	59515	V	139	Hsk	20cmL+ST402ME
BT Leo	2457138.0603	+0.1117	0.0029	63071	V	124	Hsk	20cmL+ST402ME
MR Leo	2457046.2239	+0.0406	0.002	9159	V	160	Hsk	20cmL+ST402ME
MR Leo	2457095.9512	+0.0368	0.002	9262	V	227	Hsk	25cmL+ST402ME
MR Leo	2457109.9532	+0.0368	0.002	9291	V	177	Hsk	25cmL+ST402ME
U Lep	2457376.1289	+0.0433	0.001	27557	V	144	Hsk	13cmR+ST8XME
AO Lep	2457310.2311	-0.0008	0.0036	6325	V	143	Hsk	13cmR+ST8XME
BB Lep	2457387.0812	+0.0730	0.0016	10238	V	163	Hsk	20cmL+ST402ME
BF Lep	2457327.2834	-0.0154	0.0033	6772	V	149	Hsk	20cmL+ST402ME
TV Lib	2457229.9952	-0.0062	0.0009	138017	V	101	Hsk	25cmL+ST402ME

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V LMi	2457137.9955	+0.0293	0.0019	69142	V	199	Hsk	25cmL+ST402ME
X LMi	2457139.0207	+0.2676	0.003	26214	V	177	Hsk	13cmR+ST8XME
X LMi	2457342.2686	+0.2726	0.0035	26511	V	121	Hsk	13cmR+ST8XME
Y LMi	2457387.2305	+0.0857	0.0035	41625	V	159	Hsk	25cmL+ST402ME
RW Lyn	2457298.2908	-0.1997	0.0019	62814	V	140	Hsk	25cmL+ST402ME
RW Lyn	2457376.0687	-0.1983	0.0029	62970	V	149	Hsk	25cmL+ST402ME
TT Lyn	2457342.2455	-0.0545	0.003	34633	cG	137	Hsk	CANON KISS X3
TW Lyn	2457314.2870	+0.0623	0.0012	25509	V	148	Hsk	25cmL+ST402ME
TW Lyn	2457387.0513	+0.0657	0.0015	25660	V	179	Hsk	25cmL+ST402ME
EP Lyn	2457284.2703	+0.1705	0.0014	12063	V	128	Hsk	25cmL+ST402ME
Y Lyr	2457294.9563	-0.0108	0.0014	84096	V	166	Hsk	25cmL+ST402ME
RR Lyr	2457153.1659	+0.2321	0.0027	25102	cG	158	Hsk	CANON KISS X3
RR Lyr	2457230.2431	+0.2153	0.0023	25238	cG	113	Hsk	CANON KISS X3
RR Lyr	2457250.0752	+0.2070	0.0021	25273	cG	90	Hsk	CANON KISS X3
RR Lyr	2457329.9954	+0.1988	0.0021	25414	cG	151	Hsk	CANON KISS X3
RR Lyr	2457341.8970	+0.1962	0.002	25435	cG	158	Hsk	CANON KISS X3
RR Lyr	2457375.8999	+0.1871	0.002	25495	cG	94	Hsk	CANON KISS X3
RZ Lyr	2457139.2376	-0.0606	0.0016	31210	V	162	Hsk	20cmL+ST402ME
AW Lyr	2457148.2436	-0.1025	0.0024	63960	V	157	Hsk	25cmL+ST402ME
AW Lyr	2457277.0723	-0.1126	0.0017	64219	V	147	Hsk	13cmR+ST8XME
CN Lyr	2457277.0580	+0.0251	0.0033	31092	V	149	Hsk	13cmR+ST8XME
FN Lyr	2457128.2568	+0.0305	0.0013	44177	V	102	Hsk	25cmL+ST402ME
IO Lyr	2457249.9865	-0.0459	0.0021	30550	V	238	Hsk	20cmL+ST402ME
KX Lyr	2457338.9356	+0.0202	0.0027	40163	V	122	Hsk	20cmL+ST402ME
V895 Mon	2457327.2737	-0.0366	0.0019	8548	V	156	Hsk	25cmL+ST402ME
V2645 Oph	2457256.9916	+0.0018	0.0047	8869	V	162	Hsk	25cmL+ST402ME
CM Ori	2457321.2232	+0.0018	0.0017	48821	V	122	Hsk	20cmL+ST402ME
V964 Ori	2457303.1948	-0.0096	0.001	51130	V	92	Hsk	25cmL+ST402ME
V1820 Ori	2457376.0979	-0.1402	0.0017	9046	V	179	Hsk	20cmL+ST402ME
V1820 Ori	2457303.2658	-0.1537	0.0016	8894	V	131	Hsk	25cmL+ST402ME
VV Peg	2457232.2021	-0.0062	0.0012	36534	V	89	Hsk	13cmR+ST8XME
AE Peg	2457310.1086	-0.0166	0.0014	36037	V	198	Hsk	20cmL+ST402ME
AO Peg	2457294.9454	+0.0363	0.002	58074	V	133	Hsk	20cmL+ST402ME
AV Peg	2457284.1754	+0.1675	0.0017	34566	V	93	Hsk	13cmR+ST8XME
BF Peg	2457202.1898	-0.1126	0.0018	28722	V	164	Hsk	25cmL+ST402ME
BF Peg	2457342.0039	-0.1190	0.0014	29004	V	143	Hsk	13cmR+ST8XME
BH Peg	2457270.0182	-0.1193	0.0046	27933	V	177	Hsk	20cmL+ST402ME
BH Peg	2457327.0477	-0.1381	0.0036	28022	V	186	Hsk	20cmL+ST402ME
BT Peg	2457309.9773	+0.0978	0.0019	37453	V	146	Hsk	25cmL+ST402ME
BT Peg	2457330.0240	+0.1007	0.0024	37489	V	97	Hsk	13cmR+ST8XME
CG Peg	2457331.9341	-0.0630	0.0018	39024	V	159	Hsk	20cmL+ST402ME
CV Peg	2457249.2612	-0.0712	0.0018	57747	V	141	Hsk	20cmL+ST402ME
CY Peg	2457276.9738	+0.3202	0.0032	50169	V	118	Hsk	25cmL+ST402ME
DZ Peg	2457310.0683	+0.1791	0.0017	38559	V	176	Hsk	13cmR+ST8XME
ES Peg	2457257.0152	+0.1795	0.001	35932	V	149	Hsk	20cmL+ST402ME
ET Peg	2457257.1259	-0.0615	0.0012	37260	V	136	Hsk	20cmL+ST402ME
GY Peg	2457314.0153	+0.2036	0.0015	31972	V	134	Hsk	25cmL+ST402ME
IY Peg	2457276.1818	-0.0154	0.0016	22826	V	115	Hsk	25cmL+ST402ME
V479 Peg	2457276.9894	+0.0910	0.0021	4423	V	117	Hsk	20cmL+ST402ME
V479 Peg	2457313.9450	+0.0792	0.0019	4489	V	154	Hsk	20cmL+ST402ME
V491 Peg	2457232.1954	-0.0103	0.0018	4657	V	92	Hsk	20cmL+ST402ME
V509 Peg	2457298.0702	+0.0120	0.0012	11038	V	142	Hsk	25cmL+ST402ME
V618 Peg	2457232.1969	+0.0023	0.0015	4448	V	101	Hsk	25cmL+ST402ME
V618 Peg	2457277.1910	+0.0050	0.0013	4528	V	129	Hsk	25cmL+ST402ME
TU Per	2457314.2448	-0.2379	0.0021	30543	V	226	Hsk	20cmL+ST402ME
AR Per	2457249.2503	+0.0693	0.0021	70526	cG	147	Hsk	CANON KISS X3
AR Per	2457298.1857	+0.0665	0.0017	70641	cG	171	Hsk	CANON KISS X3
AR Per	2457379.0439	+0.0704	0.0016	70831	V	172	Hsk	13cmR+ST8XME

ET Per	2457277.2654	+0.0428	0.001	73840	V	126	Hsk	20cmL+ST402ME
ET Per	2457358.0427	+0.0473	0.0017	74045	V	201	Hsk	13cmR+ST8XME
FM Per	2457310.2872	+0.2032	0.002	48128	V	161	Hsk	20cmL+ST402ME
V378 Per	2457376.1678	+0.1074	0.0008	75185	V	112	Hsk	20cmL+ST402ME
RY Psc	2457329.9276	+0.1637	0.003	27654	V	120	Hsk	20cmL+ST402ME
FR Psc	2457295.0589	+0.0194	0.0018	7864	V	132	Hsk	13cmR+ST8XME
HT Psc	2457314.1157	-0.0479	0.0027	6516	V	235	Hsk	20cmL+ST402ME
HX Psc	2457230.2185	-0.0084	0.0013	6199	V	160	Hsk	25cmL+ST402ME
HN Pup	2457337.3163	+0.0799	0.0021	75644	V	115	Hsk	20cmL+ST402ME
AN Ser	2457114.2203	+0.0030	0.0021	81225	V	186	Hsk	13cmR+ST8XME
AV Ser	2457138.1588	+0.1717	0.0011	59059	V	161	Hsk	13cmR+ST8XME
AW Ser	2457130.3066	+0.0382	0.0013	48210	V	83	Hsk	25cmL+ST402ME
V Sex	2457358.3584	+0.0863	0.0022	61156	V	142	Hsk	25cmL+ST402ME
V440 Sgr	2457230.0853	+0.1273	0.0004	32924	cG	127	Hsk	CANON KISS X3
SS Tau	2457270.2150	+0.1427	0.0016	49300	V	107	Hsk	13cmR+ST8XME
SS Tau	2457327.1943	+0.1572	0.0012	49454	V	95	Hsk	25cmL+ST402ME
BR Tau	2457375.9304	+0.0170	0.0011	53479	V	132	Hsk	20cmL+ST402ME
U Tri	2457330.0169	-0.0553	0.0022	85477	V	94	Hsk	20cmL+ST402ME
RV UMa	2457138.0142	+0.1289	0.003	25771	cG	116	Wnm	CANON KISS X7i
RV UMa	2457145.0345	+0.1283	0.0017	25786	V	132	Hsk	13cmR+ST8XME
UU Vir	2457139.1091	+0.0086	0.0012	32257	V	111	Hsk	13cmR+ST8XME
UV Vir	2457046.3078	+0.0182	0.002	29048	C	131	Hsk	25cmL+ST402ME
AF Vir	2457145.1101	+0.1953	0.0033	34751	V	105	Hsk	20cmL+ST402ME
AR Vir	2457139.1116	+0.0901	0.0021	24755	V	149	Hsk	25cmL+ST402ME
BB Vir	2457153.0204	-0.1494	0.0018	37231	V	130	Hsk	13cmR+ST8XME
BN Vul	2457326.9150	+0.0788	0.0017	19855	V	156	Hsk	20cmL+ST402ME
FH Vul	2457153.2519	-0.1547	0.0013	52109	V	134	Hsk	20cmL+ST402ME
FK Vul	2457303.0048	+0.0928	0.0029	48903	V	148	Hsk	25cmL+ST402ME
NSV 1443	2457327.1470	-0.1723	0.0022	8963	V	144	Hsk	13cmR+ST8XME
KaiV28	2457237.0711	—	0.0015	—	V	390	Mdy	35cmSC+ST10XME

Observer's code	Name (Address)
Hsk	Kenji Hirosawa ( Aichi, Japan )
Mdy	Yutaka Maeda ( Nagasaki, Japan )
Wnm	Makoto Watanabe ( Toyama, Japan )

## Remarks

(1) KaiV28 =2MASS J20363040+2350438 14.0-14.9V P=0.493264d

Discovered by Kiyoshi Kasai (Kai) in 2015.

(2) The O-Cs were calculated from GCVS (201412) ephemerides except following 8 stars.

V568 Cas MAX=HJD 2451475.08 + 0.514043E (IBVS 5699)

X CMi MAX=HJD 2451515.95 + 0.5713986E (AAVSO VSX)

BI Eri MAX=HJD 2451536.74 + 0.49751E (GEOS)

BN Eri MAX=HJD 2451490.72 + 0.4877E (GEOS)

V552 Her MAX=HJD 2449124.456+ 0.3785192E (AAVSO VSX)

MR Leo MAX=HJD 2452623.98 + 0.482826 (ASAS) MR Leo=ASAS J101200+1921.9

IY Peg MAX=HJD 2444819.435+ 0.5457269E (GEOS)

NSV 1443 MAX=HJD 2451870.376+ 0.60883E (GEOS)

(3) cG means "G plane of DSLR camera image".

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