

# Variable Star Bulletin

## Visual and CCD maxima of RR Lyrase stars in 2003 -2011

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Following table is summary of maxima of RR Lyrase stars reported from VSOLJ members.

star	Max. JDhel	O-C	E	system	n	obs.	inst.
ANDSW	2452931.969	0.021	-1817	vis	10	Hsk	28cmSC
ANDSW	2452966.908	0.021	-1738	vis	11	Hsk	28cmSC
ANDSW	2453295.964	0.034	-994	vis	12	Hsk	28cmSC
ANDSW	2453310.991	0.024	-960	vis	10	Hsk	28cmSC
ANDSW	2453330.897	0.029	-915	vis	9	Hsk	28cmSC
ANDSW	2453611.271	0.009	-281	vis	12	Hsk	28cmSC
ANDSW	2453659.928	0.017	-171	vis	10	Hsk	28cmSC
ANDSW	2453674.949	0.000	-137	vis	15	Hsk	28cmSC
ANDSW	2453728.908	0.004	-15	vis	12	Hsk	28cmSC
ANDSW	2453743.938	-0.003	19	vis	16	Hsk	28cmSC
ANDSW	2453967.275	-0.008	524	vis	18	Hsk	28cmSC
ANDSW	2454122.952	-0.007	876	vis	17	Hsk	28cmSC
ANDSW	2454379.018	-0.011	1455	vis	14	Hsk	28cmSC
ANDSW	2454394.952	0.002	1491	vis	22	Hsk	28cmSC
ANDSW	2454429.893	0.004	1570	vis	21	Hsk	28cmSC
ANDSW	2454490.910	-0.012	1708	vis	13	Hsk	28cmSC
ANDSW	2454691.260	-0.006	2161	vis	17	Hsk	28cmSC
ANDSW	2454750.975	0.004	2296	vis	29	Hsk	28cmSC
ANDSW	2454800.958	0.012	2409	vis	19	Hsk	28cmSC
ANDSW	2454835.000	0.000	2486	vis	18	Hsk	28cmSC
ANDSW	2455114.954	0.001	3119	vis	20	Hsk	28cmSC
ANDSW	2455400.2108	-0.0006	3764	cG	27	Hsk	EOSKissX3
ANDSW	2455520.9494	0.0005	4037	cG	80	Hsk	EOSKissX3
ANDSW	2455918.9794	-0.0051	4937	cG	177	Hsk	16cmL+EOSKissX4
ANDXX	2453611.254	-0.005	-71	vis	12	Hsk	28cmSC
ANDXX	2453752.914	-0.006	125	vis	18	Hsk	28cmSC
ANDXX	2454023.953	-0.001	500	vis	21	Hsk	28cmSC
ANDXX	2454122.968	-0.004	637	vis	14	Hsk	28cmSC
ANDXX	2454143.917	-0.014	666	vis	15	Hsk	28cmSC
ANDXX	2454401.963	0.007	1023	vis	18	Hsk	28cmSC
ANDXX	2454443.870	-0.005	1081	vis	16	Hsk	28cmSC
ANDXX	2454732.255	0.000	1480	vis	18	Hsk	28cmSC

ANDXX	2454751.051	0.004	1506	vis	17	Hsk	28cmSC
ANDXX	2455926.9739	0.0012	3133	cG	192	Hsk	13cmR+EOSKissX3
ANDAT	2454856.912	0.002	2544	vis	17	Hsk	28cmSC
ANDCI	2455926.0132	0.0035	9251	cG	140	Hsk	16cmL+EOSKissX4
ANDOV	2455565.9577	-0.0095	4740	cG	84	Hsk	16cmL+EOSKissX4
AQLAA	2453695.943	0.033	81121	vis	13	Hsk	28cmSC
AQLAA	2454324.002	0.030	82857	vis	17	Hsk	28cmSC
AQLAA	2454411.916	0.030	83100	vis	20	Hsk	28cmSC
AQLAA	2454784.925	0.036	84131	vis	15	Hsk	28cmSC
AQLAA	2455094.975	0.035	84988	vis	17	Hsk	28cmSC
AQLV341	2454428.895	0.019	22893	vis	18	Hsk	28cmSC
AQLV341	2454758.949	0.024	23464	vis	17	Hsk	28cmSC
AQRSW	2452966.973	0.000	153	vis	11	Hsk	28cmSC
AQRSW	2453729.876	0.006	1814	vis	8	Hsk	28cmSC
AQRSW	2454033.935	0.008	2476	vis	22	Hsk	28cmSC
AQRSW	2454400.919	0.012	3275	vis	21	Hsk	28cmSC
AQRSW	2454784.893	0.011	4111	vis	18	Hsk	28cmSC
AQRSW	2455122.941	0.014	4847	vis	14	Hsk	28cmSC
AQRSW	2455443.9892	0.0114	5546	cG	83	Hsk	EOSKissX3
AQRSX	2454309.248	-0.004	796	vis	14	Hsk	28cmSC
AQRSX	2454806.921	-0.005	1725	vis	16	Hsk	28cmSC
AQRTZ	2453664.002	-0.008	1298	vis	15	Hsk	28cmSC
AQRTZ	2454429.968	-0.009	2639	vis	14	Hsk	28cmSC
AQRTZ	2454754.984	-0.001	3208	vis	20	Hsk	28cmSC
AQRBR	2454032.946	0.002	4076	vis	14	Hsk	28cmSC
AQRBR	2455548.9197	0.0082	7222	cG	58	Hsk	16cmL+EOSKissX4
AQRCP	2453674.926	0.011	3410	vis	15	Hsk	28cmSC
AQRCP	2454428.871	0.002	5037	vis	17	Hsk	28cmSC
AQRCP	2454814.891	0.009	5870	vis	15	Hsk	28cmSC
AQRCP	2455149.921	-0.001	6593	vis	14	Hsk	28cmSC
AQRCY	2453962.296	-0.002	16476	vis	30	Hsk	28cmSC
AQRCY	2454079.915	-0.003	18403	vis	23	Hsk	28cmSC
AQRCY	2454429.910	-0.003	24137	vis	37	Hsk	28cmSC
ARIX	2454443.938	0.018	2379	vis	27	Hsk	28cmSC
ARIX	2454863.935	0.015	3024	vis	17	Hsk	28cmSC
ARIX	2455425.2428	0.0202	3886	cG	33	Hsk	EOSKissX3
ARIX	2455926.0007	0.0339	4655	cG	138	Hsk	16cmL+EOSKissX4
AURTZ	2453743.919	0.005	-19	vis	14	Hsk	28cmSC
AURTZ	2453761.932	0.000	27	vis	17	Hsk	28cmSC
AURTZ	2454549.982	0.001	2039	vis	16	Hsk	28cmSC
AURTZ	2455138.284	0.008	3541	vis	18	Hsk	28cmSC
AURTZ	2455605.9377	0.0018	4735	cG	84	Hsk	16cmL+EOSKissX4
AURBH	2453682.291	0.001	-160	vis	14	Hsk	28cmSC
AURBH	2453737.932	-0.001	-38	vis	12	Hsk	28cmSC
AURBH	2453763.934	0.004	19	vis	15	Hsk	28cmSC
AURBH	2454168.947	0.010	907	vis	13	Hsk	28cmSC
AURBH	2454443.975	0.015	1510	vis	19	Hsk	28cmSC
AURBH	2454490.939	0.003	1613	vis	14	Hsk	28cmSC
AURBH	2454736.303	-0.010	2151	vis	14	Hsk	28cmSC
AURBH	2455222.960	-0.001	3218	vis	23	Hsk	28cmSC
AURBH	2455591.9384	0.0008	4027	cG	51	Hsk	16cmL+EOSKissX4
AURBH	2455923.9727	0.0017	4755	cG	119	Hsk	16cmL+EOSKissX4
BOORS	2453488.000	-0.004	13218	vis	14	Hsk	28cmSC
BOORS	2453819.294	-0.013	14096	vis	9	Hsk	28cmSC

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BOORS	2453850.997	-0.008	14180	vis	15	Hsk	28cmSC
BOORS	2454214.002	-0.002	15142	vis	18	Hsk	28cmSC
BOORS	2454327.949	-0.012	15444	vis	9	Hsk	28cmSC
BOORS	2454660.015	-0.004	16324	vis	20	Hsk	28cmSC
BOORS	2455412.0414	-0.0141	18317	cG	36	Hsk	EOSKissX3
BOORS	2455651.2806	-0.0078	18951	cG	92	Hsk	16cmL+EOSKissX4
BOORS	2455696.1875	-0.0042	19070	cG	144	Hsk	13cmR+EOSKissX3
BOOST	2454218.987	0.006	9190	vis	12	Hsk	28cmSC
BOOST	2455687.0302	0.0770	11549	cG	136	Hsk	13cmR+EOSKissX3
BOOSW	2455742.0828	-0.0023	4287	cG	186	Hsk	16cmL+EOSKissX4
BOOTV	2453515.996	-0.019	7062	vis	13	Hsk	28cmSC
BOOTV	2454218.960	-0.005	9311	vis	18	Hsk	28cmSC
BOOTV	2454308.039	-0.005	9596	vis	12	Hsk	28cmSC
BOOTV	2455673.0150	0.0172	13963	cG	109	Hsk	16cmL+EOSKissX4
BOOTW	2453497.955	-0.026	3641	vis	12	Hsk	28cmSC
BOOTW	2453885.981	-0.025	4370	vis	16	Hsk	28cmSC
BOOTW	2454241.001	-0.031	5037	vis	20	Hsk	28cmSC
BOOTW	2454322.971	-0.031	5191	vis	14	Hsk	28cmSC
BOOTW	2455557.3106	-0.0284	7510	cG	44	Hsk	16cmL+EOSKissX4
BOOUU	2455598.3421	-0.0048	2422	cG	63	Hsk	16cmL+EOSKissX4
BOOUY	2453527.990	-0.012	-73	vis	8	Hsk	28cmSC
BOOUY	2453885.995	0.000	477	vis	15	Hsk	28cmSC
BOOUY	2454920.308	0.039	2066	vis	11	Hsk	28cmSC
CAMAH	2454806.949	-0.076	43602	vis	17	Hsk	28cmSC
CAPRV	2453609.958	-0.010	44058	vis	13	Hsk	28cmSC
CAPRV	2454029.947	-0.005	44996	vis	14	Hsk	28cmSC
CAPRV	2454428.897	0.005	45887	vis	18	Hsk	28cmSC
CAPRV	2454740.955	-0.014	46584	vis	16	Hsk	28cmSC
CAPRV	2455143.927	-0.012	47484	vis	13	Hsk	28cmSC
CETRR	2452641.914	0.003	35189	vis	10	Hsk	28cmSC
CETRR	2453710.909	-0.006	37122	vis	8	Hsk	28cmSC
CETRR	2454138.952	-0.007	37896	vis	15	Hsk	28cmSC
CETRR	2454800.930	-0.003	39093	vis	26	Hsk	28cmSC
CETRR	2454831.896	-0.006	39149	vis	12	Hsk	28cmSC
CETRR	2455160.955	0.001	39744	vis	11	Hsk	28cmSC
CETRU	2453728.960	0.091	23713	vis	6	Hsk	28cmSC
CETRU	2454411.963	0.078	24878	vis	13	Hsk	28cmSC
CETRV	2453742.900	0.139	23467	vis	12	Hsk	28cmSC
CETRV	2454429.959	0.207	24569	vis	19	Hsk	28cmSC
CETRV	2454492.908	0.192	24670	vis	19	Hsk	28cmSC
CMIX*1	2455915.0943	-0.0535	7699	V	304	Kis	20cmSC+Alta E47
CMIAA	2454159.952	0.049	36915	vis	21	Hsk	28cmSC
CMIAA	2454169.008	0.055	36934	vis	9	Hsk	28cmSC
CMIAA	2454883.973	0.059	38435	vis	26	Hsk	28cmSC
CMIAA	2455266.949	0.071	39239	vis	20	Hsk	28cmSC
CMIAA	2455648.9615	0.0733	40041	cG	112	Hsk	16cmL+EOSKissX4
CNCRW	2453333.332	0.189	25177	vis	8	Hsk	28cmSC
CNCRW	2454227.998	0.184	26812	vis	13	Hsk	28cmSC
CNCRW	2454928.996	0.220	28093	vis	21	Hsk	28cmSC
CNCRW	2455648.0093	0.2143	29407	cG	102	Hsk	16cmL+EOSKissX4
CNCSS	2455633.9662	0.0540	88625	cG	163	Hsk	16cmL+EOSKissX4
CNCTT	2453667.269	0.092	24355	vis	12	Hsk	28cmSC
CNCTT	2454143.952	0.097	25201	vis	12	Hsk	28cmSC
CNCTT	2455289.995	0.083	27235	vis	18	Hsk	28cmSC
CNCVZ	2453771.978	-0.003	77788	vis	15	Hsk	28cmSC
CNCAQ	2454177.946	-0.083	38607	vis	14	Hsk	28cmSC
CNCAQ	2454533.937	-0.081	39256	vis	19	Hsk	28cmSC

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COMRY	2455711.9588	-0.0757	34360	cG	119	Hsk	13cmR+EOSKissX3
COMST	2455680.9804	-0.0435	20798	cG	117	Hsk	16cmL+EOSKissX4
CRBTV	2453526.983	0.018	37475	vis	11	Hsk	28cmSC
CRBTV	2453609.996	0.015	37617	vis	13	Hsk	28cmSC
CRBTV	2453750.305	0.017	37857	vis	14	Hsk	28cmSC
CRBTV	2454308.034	0.023	38811	vis	16	Hsk	28cmSC
CRBTV	2454835.347	0.014	39713	vis	12	Hsk	28cmSC
CRBTV	2455700.0019	0.0244	41192	cG	137	Hsk	16cmL+EOSKissX4
CRTW	2453515.995	-0.001	33668	vis	12	Hsk	28cmSC
CRTW	2454564.967	-0.018	36214	vis	16	Hsk	28cmSC
CVNRU	2455696.0370	0.2157	37004	cG	123	Hsk	16cmL+EOSKissX4
CVNRZ	2455687.0643	-0.1476	27041	cG	111	Hsk	16cmL+EOSKissX4
CVNW	2455700.1947	-0.1412	62161	cG	128	Hsk	13cmR+EOSKissX3
CYGUY	2453663.918	0.056	55698	vis	15	Hsk	28cmSC
CYGUY	2454407.968	0.051	57025	vis	18	Hsk	28cmSC
CYGUY	2455712.1738	0.0574	59351	cG	165	Hsk	13cmR+EOSKissX3
CYGXZ	2452916.942	-0.126	18840	vis	8	Hsk	28cmSC
CYGXZ	2452930.957	-0.112	18870	vis	15	Hsk	28cmSC
CYGXZ	2452931.893	-0.110	18872	vis	10	Hsk	28cmSC
CYGXZ	2452938.911	-0.092	18887	vis	11	Hsk	28cmSC
CYGXZ	2452965.942	-0.129	18945	vis	12	Hsk	28cmSC
CYGXZ	2452966.878	-0.127	18947	vis	11	Hsk	28cmSC
CYGXZ	2453301.900	-0.196	19665	vis	10	Hsk	28cmSC
CYGXZ	2453315.897	-0.200	19695	vis	13	Hsk	28cmSC
CYGXZ	2453506.265	0.222	20103	vis	8	Hsk	28cmSC
CYGXZ	2453579.988	0.206	20261	vis	7	Hsk	28cmSC
CYGXZ	2453643.914	0.194	20397	vis	12	Hsk	28cmSC
CYGXZ	2453663.963	0.175	20440	vis	16	Hsk	28cmSC
CYGXZ	2453784.339	0.142	20698	vis	12	Hsk	28cmSC
CYGXZ	2453946.256	0.115	21045	vis	13	Hsk	28cmSC
CYGXZ	2454005.973	0.094	21173	vis	17	Hsk	28cmSC
CYGXZ	2454033.973	0.092	21233	vis	16	Hsk	28cmSC
CYGXZ	2454305.995	0.028	21816	vis	19	Hsk	28cmSC
CYGXZ	2454411.933	0.025	22043	vis	22	Hsk	28cmSC
CYGXZ	2454774.943	-0.058	22821	vis	20	Hsk	28cmSC
CYGXZ	2454902.333	-0.077	23094	vis	17	Hsk	28cmSC
CYGXZ	2455138.897	-0.130	23601	vis	23	Hsk	28cmSC
CYGXZ	2455158.935	-0.160	23644	vis	17	Hsk	28cmSC
CYGXZ	2455399.2553	-0.1900	24159	cG	62	Hsk	EOSKissX3
CYGXZ	2455759.0013	0.1970	24929	cG	71	Hsk	16cmL+EOSKissX4
CYGDM	2453662.997	0.065	26391	vis	13	Hsk	28cmSC
CYGDM	2453686.907	0.044	26448	vis	14	Hsk	28cmSC
CYGDM	2453733.944	0.056	26560	vis	14	Hsk	28cmSC
CYGDM	2454029.947	0.058	27265	vis	15	Hsk	28cmSC
CYGDM	2454079.907	0.055	27384	vis	16	Hsk	28cmSC
CYGDM	2454100.908	0.062	27434	vis	20	Hsk	28cmSC
CYGDM	2454323.008	0.057	27963	vis	14	Hsk	28cmSC
CYGDM	2454443.932	0.061	28251	vis	26	Hsk	28cmSC
CYGDM	2454752.943	0.055	28987	vis	15	Hsk	28cmSC
DELDX	2453690.983	0.048	30307	vis	11	Hsk	28cmSC
DELDX	2454035.996	0.050	31037	vis	14	Hsk	28cmSC
DELDX	2454407.935	0.041	31824	vis	28	Hsk	28cmSC
DELDX	2454752.962	0.057	32554	vis	17	Hsk	28cmSC
DELDX	2455132.943	0.054	33358	vis	18	Hsk	28cmSC
DELDX	2455442.9850	0.0595	34014	cG	74	Hsk	EOSKissX3
DRARW	2455742.0289	0.1835	36947	cG	96	Hsk	13cmR+EOSKissX3
DRASU	2453494.032	0.045	14524	vis	12	Hsk	28cmSC
DRASU	2453676.295	0.032	14800	vis	12	Hsk	28cmSC
DRASW	2454241.004	0.049	49180	vis	19	Hsk	28cmSC
DRASW	2454542.936	0.056	49710	vis	16	Hsk	28cmSC

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DRASW	2455266.987	0.057	50981	vis	27	Hsk	28cmSC
DRASW	2455668.0341	0.0562	51685	cG	154	Hsk	16cmL+EOSKissX4
DRAXZ	2455122.924	-0.129	27691	vis	16	Hsk	28cmSC
DRAXZ	2455414.0499	-0.1422	28302	cG	32	Hsk	EOSKissX3
DRABK	2454758.955	-0.150	49378	vis	20	Hsk	28cmSC
DRABK	2455269.311	-0.169	50240	vis	16	Hsk	28cmSC
DRABK	2455629.3113	-0.1538	50848	cG	99	Hsk	16cmL+EOSKissX4
ERIRX	2453761.983	-0.012	54610	vis	18	Hsk	28cmSC
ERIRX	2453771.965	-0.013	54627	vis	16	Hsk	28cmSC
ERIRX	2455480.2687	-0.0088	57536	cG	37	Hsk	EOSKissX3
ERISV	2454863.929	0.058	27055	vis	17	Hsk	28cmSC
GEMRR	2453332.226	0.080	30140	vis	12	Hsk	28cmSC
GEMRR	2453404.918	0.064	30323	vis	13	Hsk	28cmSC
GEMRR	2453674.294	0.063	31001	vis	8	Hsk	28cmSC
GEMRR	2453752.960	0.061	31199	vis	13	Hsk	28cmSC
GEMRR	2454135.943	0.037	32163	vis	14	Hsk	28cmSC
GEMRR	2454218.979	0.035	32372	vis	18	Hsk	28cmSC
GEMRR	2454401.338	0.028	32831	vis	14	Hsk	28cmSC
GEMRR	2454491.910	0.013	33059	vis	15	Hsk	28cmSC
GEMRR	2454870.935	0.005	34013	vis	21	Hsk	28cmSC
GEMRR	2455084.278	-0.008	34550	vis	14	Hsk	28cmSC
GEMRR	2455220.947	-0.014	34894	vis	20	Hsk	28cmSC
GEMRR	2455624.9718	-0.0542	35911	cG	66	Hsk	16cmL+EOSKissX4
GEMSZ	2454506.921	-0.047	54502	vis	13	Hsk	28cmSC
GEMSZ	2454533.980	-0.050	54556	vis	17	Hsk	28cmSC
GEMSZ	2455126.309	-0.065	55738	vis	13	Hsk	28cmSC
GEMSZ	2455625.9400	-0.0663	56735	cG	96	Hsk	16cmL+EOSKissX4
HERTW	2453819.321	-0.015	80766	vis	11	Hsk	28cmSC
HERTW	2453876.072	-0.007	80908	vis	17	Hsk	28cmSC
HERTW	2454005.939	-0.010	81233	vis	13	Hsk	28cmSC
HERTW	2454037.910	-0.007	81313	vis	15	Hsk	28cmSC
HERTW	2454308.031	-0.016	81989	vis	12	Hsk	28cmSC
HERTW	2454395.946	-0.013	82209	vis	20	Hsk	28cmSC
HERVX	2453515.991	0.066	69757	vis	12	Hsk	28cmSC
HERVX	2453638.942	0.066	70027	vis	8	Hsk	28cmSC
HERVX	2453643.948	0.064	70038	vis	13	Hsk	28cmSC
HERVX	2453752.321	0.058	70276	vis	15	Hsk	28cmSC
HERVX	2454005.954	0.048	70833	vis	12	Hsk	28cmSC
HERVX	2454306.027	0.031	71492	vis	19	Hsk	28cmSC
HERVX	2454750.923	0.027	72469	vis	20	Hsk	28cmSC
HERVX	2455413.0186	0.0109	73923	cG	48	Hsk	EOSKissX3
HERVZ	2453886.015	0.065	38828	vis	18	Hsk	28cmSC
HERVZ	2454913.303	0.068	41161	vis	16	Hsk	28cmSC
HERVZ	2455685.1950	0.0659	42914	cG	148	Hsk	13cmR+EOSKissX3
HERVZ	2455696.2041	0.0668	42939	cG	81	Hsk	16cmL+EOSKissX4
HERAR	2453609.978	0.237	25861	vis	13	Hsk	28cmSC
HERAR	2453784.349	0.227	26232	vis	12	Hsk	28cmSC
HERAR	2454568.284	0.156	27900	vis	11	Hsk	28cmSC
HERAR	2455690.1664	0.0814	30287	cG	80	Hsk	16cmL+EOSKissX4
HERAR	2455763.0113	0.0719	30442	cG	130	Hsk	13cmR+EOSKissX3
HERDL	2453484.275	0.015	25820	vis	11	Hsk	28cmSC
HERDL	2453649.935	0.019	26100	vis	8	Hsk	28cmSC
HERDL	2454324.982	0.019	27241	vis	16	Hsk	28cmSC
HERDL	2455618.3005	0.0393	29427	cG	40	Hsk	16cmL+EOSKissX4

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HYASZ	2454177.946	-0.164	25126	vis	15	Hsk	28cmSC
HYASZ	2454892.975	-0.201	26456	vis	12	Hsk	28cmSC
HYASZ	2455164.255	-0.228	26962	vis	18	Hsk	28cmSC
HYASZ	2455289.961	-0.236	27196	vis	19	Hsk	28cmSC
HYASZ	2455651.0066	-0.2159	27868	cG	109	Hsk	16cmL+EOSKissX4
HYAUU	2453494.001	0.016	26753	vis	12	Hsk	28cmSC
HYAUU	2453676.322	0.031	27101	vis	11	Hsk	28cmSC
HYAUU	2455654.9386	-0.0039	30878	cG	121	Hsk	16cmL+EOSKissX4
HYAWZ	2454199.958	-0.019	27101	vis	16	Hsk	28cmSC
HYAWZ	2454905.977	-0.020	28414	vis	19	Hsk	28cmSC
HYAWZ	2455646.9572	-0.0111	29792	cG	105	Hsk	13cmR+EOSKissX3
HYAXX	2454177.024	0.083	28251	vis	23	Hsk	28cmSC
HYAXX	2454533.982	0.080	28954	vis	16	Hsk	28cmSC
HYAXX	2454564.954	0.079	29015	vis	17	Hsk	28cmSC
HYADD	2455926.1823	-0.1908	28361	cG	162	Hsk	16cmL+EOSKissX4
HYADH	2453477.057	0.050	45605	vis	14	Hsk	28cmSC
HYADH	2454800.302	0.065	48311	vis	12	Hsk	28cmSC
HYAGO	2454530.949	-0.069	45380	vis	12	Hsk	28cmSC
HYAGO	2455652.9517	-0.1048	47143	cG	131	Hsk	16cmL+EOSKissX4
LEORR	2453332.257	0.057	22186	vis	13	Hsk	28cmSC
LEORR	2453477.031	0.065	22506	vis	13	Hsk	28cmSC
LEORR	2453674.280	0.070	22942	vis	8	Hsk	28cmSC
LEORR	2453683.326	0.069	22962	vis	14	Hsk	28cmSC
LEORR	2453750.285	0.074	23110	vis	17	Hsk	28cmSC
LEORR	2453772.000	0.074	23158	vis	15	Hsk	28cmSC
LEORR	2453876.057	0.080	23388	vis	14	Hsk	28cmSC
LEORR	2453886.004	0.075	23410	vis	18	Hsk	28cmSC
LEORR	2454185.947	0.081	24073	vis	14	Hsk	28cmSC
LEORR	2454213.995	0.081	24135	vis	18	Hsk	28cmSC
LEORR	2454532.932	0.081	24840	vis	18	Hsk	28cmSC
LEORR	2454800.305	0.089	25431	vis	13	Hsk	28cmSC
LEORR	2455142.318	0.092	26187	vis	20	Hsk	28cmSC
LEORR	2455527.3128	0.1008	27038	cG	56	Hsk	EOSKissX3
LEORR	2455668.0140	0.1076	27349	cG	80	Hsk	13cmR+EOSKissX3
LEOSS	2454549.992	-0.068	20386	vis	12	Hsk	28cmSC
LEOSS	2455652.9897	-0.0621	22147	cG	128	Hsk	13cmR+EOSKissX3
LEOST	2453880.032	-0.023	54305	vis	16	Hsk	28cmSC
LEOST	2454228.003	-0.025	55033	vis	17	Hsk	28cmSC
LEOST	2454542.997	-0.022	55692	vis	15	Hsk	28cmSC
LEOST	2455926.2859	-0.0203	58586	cG	178	Hsk	13cmR+EOSKissX3
LEPU	2453662.270	0.073	21170	vis	14	Hsk	28cmSC
LEPU	2453759.946	0.061	21338	vis	10	Hsk	28cmSC
LEPU	2455222.924	0.045	23854	vis	19	Hsk	28cmSC
LIBTV	2454323.990	-0.003	127239	vis	18	Hsk	28cmSC
LYNTT	2454856.928	-0.045	30473	vis	18	Hsk	28cmSC
LYRRR	2453291.938	-0.059	18291	vis	12	Hsk	28cmSC
LYRRR	2453295.915	-0.051	18298	vis	12	Hsk	28cmSC
LYRRR	2453316.882	-0.058	18335	vis	12	Hsk	28cmSC
LYRRR	2453643.967	-0.055	18912	vis	14	Hsk	28cmSC
LYRRR	2453719.918	-0.064	19046	vis	12	Hsk	28cmSC
LYRRR	2454008.994	-0.091	19556	vis	17	Hsk	28cmSC
LYRRR	2454033.947	-0.081	19600	vis	22	Hsk	28cmSC
LYRRR	2454037.922	-0.074	19607	vis	16	Hsk	28cmSC
LYRRR	2454306.071	-0.053	20080	vis	20	Hsk	28cmSC
LYRRR	2454427.930	-0.071	20295	vis	22	Hsk	28cmSC
LYRRR	2454741.953	-0.093	20849	vis	18	Hsk	28cmSC
LYRRR	2454751.020	-0.095	20865	vis	24	Hsk	28cmSC

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LYRRR	2454800.964	-0.036	20953	vis	27	Hsk	28cmSC
LYRRR	2455115.006	-0.038	21507	vis	26	Hsk	28cmSC
LYRRR	2455143.890	-0.065	21558	vis	14	Hsk	28cmSC
LYRRR	2455160.893	-0.067	21588	vis	20	Hsk	28cmSC
LYRRR	2455401.2186	-0.0938	22012	cG	55	Hsk	EOSKissX3
LYRRZ	2453643.942	0.007	24373	vis	14	Hsk	28cmSC
LYRRZ	2453667.965	0.002	24420	vis	16	Hsk	28cmSC
LYRRZ	2453690.972	0.003	24465	vis	11	Hsk	28cmSC
LYRRZ	2454029.924	0.001	25128	vis	13	Hsk	28cmSC
LYRRZ	2454305.982	-0.012	25668	vis	14	Hsk	28cmSC
LYRRZ	2454327.958	-0.019	25711	vis	8	Hsk	28cmSC
LYRRZ	2454395.966	-0.006	25844	vis	14	Hsk	28cmSC
LYRRZ	2454758.944	-0.010	26554	vis	15	Hsk	28cmSC
LYRRZ	2455143.901	-0.018	27307	vis	14	Hsk	28cmSC
LYRRZ	2455741.0257	-0.0248	28475	cG	120	Hsk	13cmR+EOSKissX3
LYREZ	2453667.952	-0.126	37607	vis	16	Hsk	28cmSC
LYRIO	2455695.2285	-0.0352	27856	cG	89	Hsk	13cmR+EOSKissX3
LYRKX	2453667.942	-0.003	31837	vis	17	Hsk	28cmSC
LYRKX	2454741.969	-0.019	34273	vis	15	Hsk	28cmSC
OPHV445	2454317.995	0.031	67438	vis	18	Hsk	28cmSC
PEGVV	2454023.962	-0.031	29965	vis	13	Hsk	28cmSC
PEGVV	2454401.974	-0.031	30739	vis	14	Hsk	28cmSC
PEGVV	2455138.962	-0.020	32248	vis	19	Hsk	28cmSC
PEGAV	2452651.891	0.069	22700	vis	11	Hsk	28cmSC
PEGAV	2453662.979	0.087	25290	vis	14	Hsk	28cmSC
PEGAV	2453737.937	0.093	25482	vis	14	Hsk	28cmSC
PEGAV	2453746.919	0.096	25505	vis	12	Hsk	28cmSC
PEGAV	2454022.916	0.098	26212	vis	11	Hsk	28cmSC
PEGAV	2454060.002	0.099	26307	vis	16	Hsk	28cmSC
PEGAV	2454378.944	0.105	27124	vis	13	Hsk	28cmSC
PEGAV	2454394.947	0.103	27165	vis	22	Hsk	28cmSC
PEGAV	2454428.919	0.111	27252	vis	18	Hsk	28cmSC
PEGAV	2454691.257	0.118	27924	vis	14	Hsk	28cmSC
PEGAV	2454750.980	0.113	28077	vis	24	Hsk	28cmSC
PEGAV	2454800.949	0.115	28205	vis	24	Hsk	28cmSC
PEGAV	2455108.963	0.123	28994	vis	17	Hsk	28cmSC
PEGAV	2455160.882	0.123	29127	vis	17	Hsk	28cmSC
PEGAV	2455400.1892	0.1296	29740	cG	25	Hsk	EOSKissX3
PEGAV	2455523.9415	0.1331	30057	cG	61	Hsk	EOSKissX3
PEGBH	2453743.907	-0.128	22432	vis	12	Hsk	28cmSC
PEGBH	2454100.913	-0.155	22989	vis	22	Hsk	28cmSC
PEGBH	2454309.248	-0.143	23314	vis	14	Hsk	28cmSC
PEGBH	2454400.960	-0.093	23457	vis	16	Hsk	28cmSC
PEGCG	2453693.878	-0.047	31236	vis	9	Hsk	28cmSC
PEGCG	2453728.912	-0.048	31311	vis	11	Hsk	28cmSC
PEGCG	2453742.916	-0.058	31341	vis	11	Hsk	28cmSC
PEGCG	2454033.943	-0.058	31964	vis	22	Hsk	28cmSC
PEGCG	2454758.953	-0.047	33516	vis	19	Hsk	28cmSC
PERAR	2453682.280	0.050	62144	vis	14	Hsk	28cmSC
PERAR	2453746.969	0.055	62296	vis	16	Hsk	28cmSC
PERAR	2454166.980	0.050	63283	vis	13	Hsk	28cmSC
PERAR	2454429.971	0.051	63901	vis	16	Hsk	28cmSC
PERAR	2454492.955	0.054	64049	vis	22	Hsk	28cmSC
PERAR	2454855.954	0.060	64902	vis	19	Hsk	28cmSC
PERAR	2455131.279	0.055	65549	vis	17	Hsk	28cmSC
PERAR	2455918.9751	0.0600	67400	cG	181	Hsk	13cmR+EOSKissX3
PUPXX	2453682.302	-0.080	23027	vis	10	Hsk	28cmSC
PUPXX	2454167.950	-0.065	23966	vis	19	Hsk	28cmSC

PUPXX	2454168.985	-0.064	23968	vis	18	Hsk	28cmSC
PUPXX	2454905.997	-0.035	25393	vis	21	Hsk	28cmSC
PUPXX	2455126.316	-0.035	25819	vis	14	Hsk	28cmSC
PUPXX	2455267.006	-0.018	26091	vis	25	Hsk	28cmSC
PUPXX	2455656.9712	-0.0077	26845	cG	127	Hsk	16cmL+EOSKissX4
PUPXX	2455919.1916	0.0019	27352	cG	97	Hsk	13cmR+EOSKissX3
SERVY	2453497.974	0.046	31190	vis	9	Hsk	28cmSC
SERVY	2453880.007	0.039	31725	vis	16	Hsk	28cmSC
SERVY	2455675.2425	0.0425	34239	cG	83	Hsk	13cmR+EOSKissX3
SERAN	2454318.001	-0.001	75869	vis	18	Hsk	28cmSC
SERAN	2454916.298	0.002	77015	vis	14	Hsk	28cmSC
SGRV440	2454325.050	0.073	26840	vis	21	Hsk	28cmSC
UMARV	2453488.978	0.089	17975	vis	11	Hsk	28cmSC
UMARV	2454177.967	0.093	19447	vis	14	Hsk	28cmSC
UMARV	2454214.022	0.107	19524	vis	18	Hsk	28cmSC
UMARV	2455672.9811	0.1236	22641	cG	160	Hsk	13cmR+EOSKissX3
UMATU	2454166.986	-0.037	20327	vis	12	Hsk	28cmSC
UMATU	2454219.966	-0.035	20422	vis	15	Hsk	28cmSC
UMATU	2455699.9801	-0.0468	23076	cG	138	Hsk	13cmR+EOSKissX3
UMAAB	2455696.0101	0.1049	32470	cG	131	Hsk	13cmR+EOSKissX3
VIRST	2453880.029	0.035	31993	vis	17	Hsk	28cmSC
VIRST	2454227.993	0.027	32840	vis	17	Hsk	28cmSC
VIRAF	2454219.987	-0.115	28705	vis	15	Hsk	28cmSC
VIRAF	2454308.015	-0.132	28887	vis	16	Hsk	28cmSC
VIRAF	2455752.9658	-0.1714	31874	cG	112	Hsk	13cmR+EOSKissX3
VIRAS	2454142.353	0.165	27081	vis	12	Hsk	28cmSC
VIRAT	2453497.967	-0.241	26284	vis	11	Hsk	28cmSC
VIRAT	2453750.352	-0.237	26764	vis	12	Hsk	28cmSC
VIRBB	2454308.003	-0.215	31192	vis	17	Hsk	28cmSC
VULBN	2454322.982	0.065	14799	vis	15	Hsk	28cmSC
VULBN	2454407.938	0.060	14942	vis	26	Hsk	28cmSC
VULBN	2455700.1804	0.0707	17117	cG	166	Hsk	16cmL+EOSKissX4

## Remarks

Observer code: Hsk; Kenji Hurosawa Kis:Seiichiro Kiyota

O-C are calculated from ephemeris in General Catalog of Variable Stars (2011, <http://www.sai.msu.su/gcvs/gcvs/index.htm>) unless otherwise mentioned.

\*1 X CMi Max=2451515.95+0.5713986E (VSX AAVSO)

cG: photometry using G plane of DSLR image.

vis: visual estimates

V: johonson V

rev. 1.1 Some duplicated entries are deleted (2012 Jan. 24).

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VSOLJ

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