

Variable Star Bulletin

Visual and CCD minima of eclipsing binaries during 1900-1999

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I calculated minimum timings of eclipsing binary stars from observations of VSOLJ from 1900 to 1999 (<http://vsolj.cetus-net.org/database.html>).

Following tables are summary of minima of eclipsing binaries reported from VSOLJ members.

The light curves, O-C curves and others are available in http://homepage3.nifty.com/nga_star/tomoe.htm.

star	type	year	date	obs.	min.	err.	n	method
RT And	EA	1968	19680103	Mtm	2439858.881	-	10	vis
RT And	EA	1968	19680111	Mtm	2439867.054	-	14	vis
RT And	EA	1968	19680204	Mtm	2439890.945	0	34	vis
RT And	EA	1968	19680216	Mtm	2439902.9	0	28	vis
RT And	EA	1968	19680221	Mtm	2439907.933	0	30	vis
RT And	EA	1988	19881015	Nga	2447450.04	-	8	pg
RT And	EA	1994	19941129	Sny	2449685.897	-	14	vis
WA And	EB	1995	19950126	Sny	2449744.014	-	11	vis
WA And	EB	1999	19990103	Mhh	2451181.958	0.001	19	vis
XZ And	EA	1977	19770906	Kjr	2443393.055	-	7	vis
XZ And	EA	1977	19770910	Kjr	2443397.122	-	6	vis
XZ And	EA	1987	19870920	Hsk	2447059.06	0.002	16	vis
XZ And	EA	1987	19871028	Hsk	2447097.066	0.01	15	vis
XZ And	EA	1994	19941104	Sny	2449661.002	0.002	14	vis
XZ And	EA	1995	19951016	Sny	2450007.117	0	27	vis
XZ And	EA	1998	19981025	Hrm	2451111.978	0	40	vis
KO Aql	EA	1999	19990808	Stm	2451399.049	0.002	23	vis
OO Aql	EW	1970	19700805	Hym	2440804.071	-	8	vis
OO Aql	EW	1984	19840823	Kat	2445936.058	-	5	vis
OO Aql	EW	1985	19850715	Kat	2446262.191	0.005	24	vis
OO Aql	EW	1985	19850716	Kat	2446263.192	-	17	vis
OO Aql	EW	1985	19850810	Kat	2446288.026	-	22	vis
OO Aql	EW	1989	19890722	Wnt	2447730.096	-	12	vis
OO Aql	EW	1990	19900814	Wnt	2448118.067	-	9	vis
OO Aql	EW	1990	19900815	Wnt	2448119.062	-	9	vis
OO Aql	EW	1993	19931009	Sny	2449269.97	0.001	21	vis
OO Aql	EW	1994	19940808	Sny	2449573.029	-	25	vis
OO Aql	EW	1995	19950918	Sny	2449978.97	-	15	vis
OO Aql	EW	1999	19990808	Nga	2451398.999	-	61	CCD(V)

star	type	year	date	obs.	min.	err.	n	method
OO Aql	EW	1999	19990810	Stm	2451401.027	-	25	vis
OO Aql	EW	1999	19990811	Nga	2451402.04	-	52	CCD(V)
OO Aql	EW	1999	19990817	Mhh	2451408.121	-	15	vis
OO Aql	EW	1999	19990818	Kit	2451409.137	-	27	vis
OO Aql	EW	1999	19990831	Mkn	2451422.056	-	17	vis
OO Aql	EW	1999	19990831	Mhh	2451422.058	-	22	vis
OO Aql	EW	1999	19990904	Kit	2451426.114	-	24	vis
OO Aql	EW	1999	19990905	Kis	2451427.126	-	156	CCD(Ic)
OO Aql	EW	1999	19990919	Mom	2451441.045	-	6	vis
OO Aql	EW	1999	19990928	Kis	2451449.931	-	101	CCD(Ic)
OO Aql	EW	1999	19991002	Sms	2451453.983	-	15	vis
OO Aql	EW	1999	19991002	Ioh	2451453.991	-	16	vis
OO Aql	EW	1999	19991019	Stm	2451470.96	-	9	vis
OO Aql	EW	1999	19991024	Ioh	2451476.028	-	13	vis
OO Aql	EW	1999	19991105	Kit	2451487.945	-	40	vis
OO Aql	EW	1999	19991106	Tkn	2451488.95	-	4	vis
OO Aql	EW	1999	19991106	Mmm	2451488.952	-	4	vis
OO Aql	EW	1999	19991106	Nto	2451488.952	-	12	vis
OO Aql	EW	1999	19991106	Tcy	2451488.952	-	10	vis
OO Aql	EW	1999	19991106	Oir	2451488.954	-	8	vis
OO Aql	EW	1999	19991106	Sny	2451488.954	-	11	vis
OO Aql	EW	1999	19991106	Sga	2451488.955	0	16	vis
OO Aql	EW	1999	19991106	Tut	2451488.955	-	8	vis
OO Aql	EW	1999	19991106	Fnm	2451488.956	-	11	vis
OO Aql	EW	1999	19991106	Nga	2451488.956	-	14	vis
OO Aql	EW	1999	19991106	Kke	2451488.957	0.002	8	vis
OO Aql	EW	1999	19991106	Mkn	2451488.957	-	24	vis
OO Aql	EW	1999	19991106	Iut	2451488.958	-	7	vis
V342 Aql	EA	1985	19850716	Kat	2446263.115	0.002	14	vis
V343 Aql	EA	1985	19850810	Kat	2446288.092	0.001	27	vis
V346 Aql	EA	1985	19850716	Kat	2446263.074	0.002	15	vis
V346 Aql	EA	1999	19990810	Stm	2451401.017	0	22	vis
V346 Aql	EA	1999	19990831	Mhh	2451422.036	0.001	18	vis
V417 Aql	EW	1985	19850716	Kat	2446263.13	0.002	17	vis
V805 Aql	EA	1997	19970803	Nga	2450663.976	-	25	CCD(V)
V805 Aql	EA	1999	19990724	Nga	2451384.051	-	52	CCD(V)
CX Aqr	EA	1987	19870901	Hsk	2447040.094	-	9	vis
CX Aqr	EA	1994	19940804	Nto	2449569.275	0.001	24	vis
CX Aqr	EA	1994	19940808	Sny	2449573.163	0	17	vis
EL Aqr	EW	1996	19961203	Nga	2450420.907	-	43	CCD(V)
EL Aqr	EW	1998	19981120	Nga	2451137.981	-	41	CCD(V)
RY Aqr	EA	1999	19990715	Nga	2451375.14	0.0004	55	CCD(V)
ST Aqr	EB	1997	19970928	Nga	2450719.935	0.0005	113	CCD(V)
ST Aqr	EB	1998	19981123	Nga	2451140.868	-	40	CCD(V)
SU Aqr	EB	1999	19990912	Nga	2451434.074	-	36	CCD(V)
EP Aur	EB	1938	19380220	Kds	2428950.019	-	5	vis
TT Aur	EB	1989	19890203	Nga	2447561.094	-	36	pg
TT Aur	EB	1995	19951118	Nga	2450039.997	0.001	51	pg
WW Aur	EA	1967	19670107	Mtm	2439497.976	0	11	vis
WW Aur	EA	1967	19671224	Mtm	2439848.952	-	6	vis
WW Aur	EA	1967	19671229	Mtm	2439853.999	-	7	vis
WW Aur	EA	1968	19680103	Mtm	2439859.055	0.015	11	vis
WW Aur	EA	1985	19850214	Kat	2446110.983	0.001	22	vis
WW Aur	EA	1995	19950129	Sny	2449747.025	0.004	10	vis
ZZ Aur	EB	1997	19970110	Mhh	2450459.153	-	18	vis

star	type	year	date	obs.	min.	err.	n	method
ZZ Aur	EB	1998	19981212	Mhh	2451160.174	-	16	vis
AD Boo	EB	1989	19890429	Nga	2447646.037	-	21	pg
BW Boo	EA	1985	19850526	Kat	2446212.015	0.001	13	vis
CV Boo	EA	1986	19860118	Kat	2446449.209	0	18	vis
i Boo	EW	1990	19900526	Nga	2448038.039	-	40	PMT(V)
i Boo	EW	1991	19910505	Nga	2448382.055	-	34	PMT(V)
i Boo	EW	1991	19910518	Nga	2448395.046	-	25	PMT(V)
i Boo	EW	1992	19920501	Nga	2448744.008	-	52	PMT(V)
i Boo	EW	1993	19930515	Nga	2449123.117	-	25	PMT(V)
ZZ Boo	EA	1992	19920501	Nga	2448744.107	-	29	pg
SV Cam	EA	1969	19690423	Ska	2440335.019	0.002	19	vis
SV Cam	EA	1969	19690525	Ska	2440367.05	0.0006	21	vis
SV Cam	EA	1995	19950126	Sny	2449744.101	-	13	vis
Y Cam	EA	1977	19770310	Hsk	2443213.157	0.003	21	vis
AB Cas	EA	1993	19930121	Hsk	2449008.947	0.002	11	vis
AB Cas	EA	1994	19941204	Sny	2449691.03	0.001	24	vis
AB Cas	EA	1998	19981024	Mhh	2451111.224	0.001	13	vis
IV Cas	EA	1995	19951128	Sny	2450050.006	0.002	18	vis
RZ Cas	EA	1951	19510201	Saa	2433678.982	0.003	10	vis
RZ Cas	EA	1958	19581224	Ykh	2436561.915	0.001	31	vis
RZ Cas	EA	1960	19601022	Ykh	2437230.046	0.004	20	vis
RZ Cas	EA	1960	19601127	Ykh	2437265.907	0.002	11	vis
RZ Cas	EA	1960	19601210	Ykh	2437276.051	0.001	25	vis
RZ Cas	EA	1961	19611006	Ykh	2437579.059	0.0007	22	vis
RZ Cas	EA	1962	19620106	Ykh	2437671.094	0.001	18	vis
RZ Cas	EA	1962	19621008	Ykh	2437945.997	-	9	vis
RZ Cas	EA	1968	19680224	Mtm	2439910.984	0.001	41	vis
RZ Cas	EA	1968	19681101	Hao	2440161.993	-	14	vis
RZ Cas	EA	1968	19681126	Kgm	2440187.09	0.001	24	vis
RZ Cas	EA	1969	19691128	Wnm	2440554.032	-	5	vis
RZ Cas	EA	1969	19691204	Hao	2440560.006	0.0005	20	vis
RZ Cas	EA	1971	19710124	Nim	2440975.953	0.0009	18	vis
RZ Cas	EA	1971	19710124	Hsk	2440975.955	-	10	vis
RZ Cas	EA	1971	19710131	Hsk	2440983.114	0.001	21	vis
RZ Cas	EA	1971	19710209	Mtm	2440992.072	0	21	vis
RZ Cas	EA	1971	19710215	Mtm	2440998.029	0.001	25	vis
RZ Cas	EA	1971	19711215	Hsk	2441301.06	0.001	17	vis
RZ Cas	EA	1972	19720102	Mtm	2441318.983	0.001	39	vis
RZ Cas	EA	1972	19720108	Mtm	2441324.946	0.003	41	vis
RZ Cas	EA	1972	19720114	Mtm	2441330.936	0.001	51	vis
RZ Cas	EA	1972	19720117	Mtm	2441333.936	0.002	35	vis
RZ Cas	EA	1972	19720121	Mtm	2441338.101	-	45	vis
RZ Cas	EA	1972	19720220	Mtm	2441367.982	0.002	28	vis
RZ Cas	EA	1973	19731112	Tii	2441999.083	0.001	13	vis
RZ Cas	EA	1973	19731112	Syh	2441999.084	0.003	12	vis
RZ Cas	EA	1974	19741102	Mth	2442354.07	0.002	13	vis
RZ Cas	EA	1974	19741102	Oza	2442354.075	-	6	vis
RZ Cas	EA	1974	19741221	Tki	2442403.078	0.001	21	vis
RZ Cas	EA	1978	19780114	Sah	2443523.027	0.002	14	vis
RZ Cas	EA	1983	19830827	Kat	2445574.106	-	10	vis
RZ Cas	EA	1983	19831102	Kat	2445641.002	0	67	vis
RZ Cas	EA	1983	19831114	Kat	2445652.952	0.001	93	vis

star	type	year	date	obs.	min.	err.	n	method
RZ Cas	EA	1984	19840127	Aso	2445727.054	0.003	14	vis
RZ Cas	EA	1984	19840127	Iwm	2445727.056	0	13	vis
RZ Cas	EA	1984	19840220	Iwm	2445750.961	0.002	11	vis
RZ Cas	EA	1984	19840823	Kat	2445936.229	0.001	48	vis
RZ Cas	EA	1984	19841122	Kat	2446027.067	0.001	53	vis
RZ Cas	EA	1984	19841128	Kat	2446033.043	0.001	39	vis
RZ Cas	EA	1986	19860927	Mom	2446701.192	0.001	20	vis
RZ Cas	EA	1986	19861102	Xbb	2446737.056	0.001	46	vis
RZ Cas	EA	1987	19870108	Hsk	2446803.985	0.001	13	vis
RZ Cas	EA	1987	19871117	Mom	2447117.147	0.011	19	vis
RZ Cas	EA	1988	19881112	Nga	2447478.114	0.001	26	pg
RZ Cas	EA	1989	19891102	Nga	2447833.095	0.0008	23	PMT(V)
RZ Cas	EA	1990	19901123	Nga	2448219.157	0.0001	138	PMT(V)
RZ Cas	EA	1991	19911207	Nga	2448598.05	0.0003	19	PMT(V)
RZ Cas	EA	1993	19930120	Nga	2449008.022	0.0003	37	PMT(V)
RZ Cas	EA	1993	19931004	Hsk	2449265.003	0.003	10	vis
RZ Cas	EA	1993	19931010	Sny	2449270.981	0.001	15	vis
RZ Cas	EA	1993	19931028	Sny	2449288.913	0.002	30	vis
RZ Cas	EA	1993	19931116	Tny	2449308.03	0.001	15	vis
RZ Cas	EA	1993	19931122	Hsk	2449314.01	-	9	vis
RZ Cas	EA	1995	19950821	Sht	2449951.083	0.002	14	vis
RZ Cas	EA	1995	19950921	Mkn	2449982.16	0	18	vis
RZ Cas	EA	1995	19950927	Mkn	2449988.136	0.001	24	vis
RZ Cas	EA	1995	19951002	Sny	2449992.92	0.001	32	vis
RZ Cas	EA	1995	19951021	Nga	2450012.04	0.0001	71	PMT(V)
RZ Cas	EA	1995	19951021	Ssr	2450012.043	0.002	16	vis
RZ Cas	EA	1995	19951021	Wnt	2450012.045	0.001	25	vis
RZ Cas	EA	1995	19951027	Mkn	2450018.012	0	22	vis
RZ Cas	EA	1995	19951027	Sny	2450018.021	0.001	39	vis
RZ Cas	EA	1995	19951102	Mkn	2450023.996	0.001	14	vis
RZ Cas	EA	1995	19951102	Sny	2450023.997	0.001	19	vis
RZ Cas	EA	1995	19951103	Mkn	2450025.186	0	17	vis
RZ Cas	EA	1995	19951103	Tku	2450025.189	0	44	vis
RZ Cas	EA	1995	19951103	Sny	2450025.19	0	11	vis
RZ Cas	EA	1995	19951109	Sny	2450031.164	0.002	16	vis
RZ Cas	EA	1995	19951109	Tku	2450031.167	0	40	vis
RZ Cas	EA	1995	19951115	Mkn	2450037.148	-	11	vis
RZ Cas	EA	1995	19951127	Mkn	2450049.092	0	22	vis
RZ Cas	EA	1995	19951227	Mkn	2450078.977	0	18	vis
RZ Cas	EA	1996	19960109	Mkn	2450092.123	0.002	20	vis
RZ Cas	EA	1996	19960922	Mhh	2450349.104	0	27	vis
RZ Cas	EA	1996	19961222	Mhh	2450439.941	0.001	29	vis
RZ Cas	EA	1996	19961228	Nga	2450445.921	0	117	PMT(V)
RZ Cas	EA	1997	19970701	Mhh	2450631.186	0.001	27	vis
RZ Cas	EA	1997	19970707	Mhh	2450637.161	0.001	31	vis
RZ Cas	EA	1998	19980920	Kit	2451077.015	0.002	32	vis
RZ Cas	EA	1998	19980920	Mhh	2451077.021	0.001	72	vis
RZ Cas	EA	1998	19981002	Kit	2451088.967	0.001	62	vis
RZ Cas	EA	1998	19981002	Mkn	2451088.967	0.002	10	vis
RZ Cas	EA	1998	19981009	Mkn	2451096.138	0.001	32	vis
RZ Cas	EA	1998	19981009	Mhh	2451096.139	0.001	19	vis
RZ Cas	EA	1998	19981009	Kit	2451096.142	0.001	95	vis

star	type	year	date	obs.	min.	err.	n	method
RZ Cas	EA	1998	19981108	Kis	2451126.015	-	64	CCD
RZ Cas	EA	1998	19981108	Mkn	2451126.015	-	15	vis
RZ Cas	EA	1998	19981108	Mhh	2451126.022	0.001	15	vis
RZ Cas	EA	1998	19981108	Wny	2451126.024	0	19	vis
RZ Cas	EA	1998	19981114	Kyh	2451131.981	0.001	20	vis
RZ Cas	EA	1998	19981114	Kis	2451131.993	-	72	CCD(Rc)
RZ Cas	EA	1998	19981114	Imm	2451131.993	0	15	vis
RZ Cas	EA	1998	19981114	Stm	2451131.993	0.001	32	vis
RZ Cas	EA	1998	19981114	Mom	2451131.995	0.001	14	vis
RZ Cas	EA	1998	19981114	Ioh	2451131.996	-	9	vis
RZ Cas	EA	1998	19981114	Tku	2451131.996	0	24	vis
RZ Cas	EA	1998	19981114	Mhh	2451131.997	0.001	13	vis
RZ Cas	EA	1998	19981114	Nga	2451131.997	0.0003	43	PMT(V)
RZ Cas	EA	1998	19981114	Som	2451131.998	-	8	vis
RZ Cas	EA	1998	19981114	Kit	2451131.999	0.001	63	vis
RZ Cas	EA	1998	19981114	Nsa	2451132.004	-	9	vis
RZ Cas	EA	1998	19981115	Kyh	2451133.187	0.001	23	vis
RZ Cas	EA	1999	19990730	Imm	2451390.165	0	25	vis
RZ Cas	EA	1999	19990811	Kit	2451402.124	0.002	23	vis
RZ Cas	EA	1999	19990817	Mhh	2451408.103	0.001	20	vis
RZ Cas	EA	1999	19990911	Imm	2451433.191	0.001	31	vis
RZ Cas	EA	1999	19991104	Stm	2451486.984	-	18	vis
RZ Cas	EA	1999	19991223	Imm	2451535.989	-	42	vis
TV Cas	EA	1968	19680121	Mtm	2439876.996	0.001	15	vis
TV Cas	EA	1968	19680310	Mtm	2439925.945	0.001	25	vis
TV Cas	EA	1968	19680918	Mtm	2440118.076	0.001	22	vis
TV Cas	EA	1968	19680929	Mtm	2440128.956	0.002	14	vis
TV Cas	EA	1968	19681026	Mtm	2440156.115	0.002	18	vis
TV Cas	EA	1968	19681126	Mtm	2440186.95	0.004	21	vis
TV Cas	EA	1969	19691009	Mtm	2440504.159	0	13	vis
TV Cas	EA	1971	19710207	Mtm	2440989.937	0.002	10	vis
TV Cas	EA	1985	19850810	Kat	2446288.19	-	4	vis
TV Cas	EA	1994	19940831	Sny	2449596.179	-	12	vis
TV Cas	EA	1998	19981128	Kit	2451145.915	0	26	vis
TV Cas	EA	1998	19981205	Kit	2451153.17	0.001	42	vis
TW Cas	EA	1993	19931218	Nga	2449339.96	0.01	10	pg
V523 Cas	EW	1996	19961214	Mhh	2450431.954	0	41	vis
V523 Cas	EW	1996	19961222	Mhh	2450439.902	0	51	vis
V523 Cas	EW	1996	19961222	Mhh	2450440.017	0	51	vis
V523 Cas	EW	1998	19980816	Mhh	2451042.125	0.001	19	vis
EG Cep	EB	1999	19990811	Stm	2451402.022	-	13	vis
U Cep	EA	1957	19571122	Oky	2436164.934	0.003	10	vis
U Cep	EA	1967	19670122	Mtm	2439513.058	0.001	13	vis
U Cep	EA	1967	19670127	Mtm	2439518.047	0.001	14	vis
U Cep	EA	1967	19670216	Mtm	2439537.99	0.001	14	vis
U Cep	EA	1967	19670303	Mtm	2439552.95	0.003	14	vis
U Cep	EA	1967	19670723	Mtm	2439695.076	0.002	20	vis
U Cep	EA	1967	19670807	Mtm	2439710.039	0.002	24	vis
U Cep	EA	1967	19670807	Kzs	2439710.044	0.003	19	vis
U Cep	EA	1968	19680101	Mtm	2439857.14	0.001	24	vis
U Cep	EA	1968	19680111	Mtm	2439867.114	0.005	29	vis
U Cep	EA	1968	19680116	Mtm	2439872.092	0	27	vis

star	type	year	date	obs.	min.	err.	n	method
U Cep	EA	1968	19680121	Mtm	2439877.079	0.001	19	vis
U Cep	EA	1968	19680126	Kzs	2439882.063	0.001	29	vis
U Cep	EA	1968	19680205	Mtm	2439892.036	0.001	31	vis
U Cep	EA	1968	19680225	Mtm	2439911.979	0.001	47	vis
U Cep	EA	1968	19680306	Mtm	2439921.948	-	22	vis
U Cep	EA	1976	19761026	Skr	2443078.17	0	19	vis
U Cep	EA	1976	19761026	Ems	2443078.187	0.005	25	vis
U Cep	EA	1994	19940815	Tny	2449580.095	0.001	15	vis
U Cep	EA	1994	19940904	Sny	2449600.07	0.001	33	vis
U Cep	EA	1995	19950908	Sny	2449969.042	0.004	21	vis
U Cep	EA	1996	19960802	Ths	2450298.15	0.002	46	vis
U Cep	EA	1999	19990725	Stm	2451385.133	-	25	vis
AA Cet	EW	1998	19981008	Kis	2451095.069	-	182	CCD(V)
DY Cet	EW	1999	19991020	Kis	2451472.08	0.0001	70	CCD(Ic)
DY Cet	EW	1999	19991229	Nga	2451541.946	0.0008	51	CCD(V)
SS Cet	EA	1994	19941127	Sny	2449684.022	0	24	vis
TT Cet	EW	1999	19991010	Kis	2451462.134	0.0003	43	CCD(Rc)
TW Cet	EW	1937	19371029	Kds	2428836.02	-	8	vis
TW Cet	EW	1999	19991104	Kis	2451487.127	0.0002	86	CCD(Ic)
TX Cet	EB	1999	19991025	Nga	2451477.094	0.0018	22	CCD(V)
TX Cet	EB	1999	19991110	Nga	2451493.047	0.0025	33	CCD(V)
VY Cet	EW	1998	19981209	Kis	2451157.038	0.0001	84	CCD
VY Cet	EW	1999	19991105	Kis	2451487.97	0.0001	52	CCD(V)
XY Cet	EA	1998	19981002	Kis	2451089.153	-	63	CCD
XY Cet	EA	1998	19981009	Kis	2451096.107	0.0008	95	CCD(Rc)
FZ CMa	EA	1998	19981128	Kis	2451146.238	0.0003	63	CCD(V)
R CMa	EA	1951	19510213	Saa	2433691.073	-	10	vis
R CMa	EA	1956	19560304	Oky	2435536.958	0.0062	8	vis
R CMa	EA	1969	19690104	Owa	2440226.111	-	8	vis
R CMa	EA	1987	19870208	Hsk	2446835.039	0.002	15	vis
R CMa	EA	1996	19961219	Mhh	2450437.129	-	6	vis
R CMa	EA	1996	19961228	Mkn	2450446.198	0.001	24	vis
R CMa	EA	1997	19970206	Nga	2450485.971	0.0019	51	CCD(V)
R CMa	EA	1997	19970223	Nga	2450503.008	-	88	CCD(V)
R CMa	EA	1999	19990220	Nga	2451230.025	0.0003	115	CCD(V)
RT CMa	EA	1996	19960111	Kis	2450093.981	-	23	CCD(V)
RT CMa	EA	1996	19960202	Kis	2450115.975	-	38	CCD(V)
RT CMa	EA	1998	19980116	Kis	2450830.122	-	52	CCD(V)
RX CMa	EA	1999	19990111	Kis	2451190.14	0.0001	238	CCD(V)
AK CMi	EA	1995	19950403	Sny	2449810.95	-	15	vis
XZ CMi	EA	1997	19970222	Nga	2450501.999	0.0007	99	CCD(V)
XZ CMi	EA	1997	19970305	Nga	2450513.004	0.002	73	CCD(V)
XZ CMi	EA	1999	19990109	Kis	2451188.181	-	100	CCD(V)
AC Cnc	EA	1987	19870127	Fos	2446823.036	0.001	17	vis
TU Cnc	EA	1977	19770310	Hsk	2443213.088	0.001	22	vis
CC Com	EW	1998	19980317	Mhh	2450890.088	0.001	18	vis
RZ Com	EW	1998	19980317	Mhh	2450890.076	0.0003	18	vis
TW CrB	EB	1998	19980522	Mhh	2450956.07	0.0002	26	vis
U CrB	EA	1995	19950412	Sny	2449820.112	-	14	vis
RV Crv	EB	1999	19990416	Nga	2451285.024	0.001	64	CCD(V)
SX Crv	EW	1994	19940416	Nga	2449459.082	-	29	pg
SX Crv	EW	1997	19970424	Nga	2450562.994	0.0008	15	CCD(V)

star	type	year	date	obs.	min.	err.	n	method
CG Cyg	EA	1995	19950918	Sny	2449979.095	0.002	11	vis
GO Cyg	EB	1991	19910906	Nga	2448506.081	-	18	PMT(B)
V1147 Cyg	E	1998	19981122	Stm	2451140.006	-	33	vis
V382 Cyg	EB	1993	19930812	Nga	2449212.071	-	6	pg
V456 Cyg	EA	1994	19940911	Sny	2449607.077	-	12	vis
V477 Cyg	EA	1994	19941129	Sny	2449685.916	0.001	19	vis
WZ Cyg	EB	1998	19980913	Mhh	2451070.042	0.0006	29	vis
ZZ Cyg	EA	1995	19950517	Sny	2449855.136	0.001	9	vis
FZ Del	EA	1987	19870829	Hsk	2447037.122	0.001	12	vis
FZ Del	EA	1995	19950910	Sny	2449971.046	0.005	11	vis
W Del	EA	1987	19870826	Hsk	2447034.014	-	6	vis
AI Dra	EA	1988	19880528	Nga	2447310.046	-	27	pg
AI Dra	EA	1995	19950423	Sny	2449831.171	-	9	vis
AI Dra	EA	1999	19990930	Stm	2451451.975	0.001	19	vis
RZ Dra	EB	1907	19070616	Ich	2417742.668	-	14	vis
RZ Dra	EB	1907	19070618	Ich	2417744.862	-	25	vis
RZ Dra	EB	1908	19080725	Ich	2418148.11	0.004	29	vis
RZ Dra	EB	1908	19080731	Ich	2418154.167	0.001	28	vis
RZ Dra	EB	1908	19080801	Ich	2418155.263	-	14	vis
RZ Dra	EB	1908	19080804	Ich	2418158.02	-	9	vis
RZ Dra	EB	1908	19080805	Ich	2418159.133	-	9	vis
TW Dra	EA	1995	19950412	Sny	2449820.183	0.002	17	vis
Z Dra	EA	1994	19940509	Sny	2449481.962	0	25	vis
Z Dra	EA	1995	19950420	Sny	2449828.111	0.001	24	vis
Z Dra	EA	1998	19980102	Hsk	2450816.321	-	7	vis
Z Dra	EA	1999	19990109	Mhh	2451188.249	0.001	32	vis
S Equ	EA	1985	19850716	Kat	2446263.089	0.002	18	vis
AS Eri	EA	1998	19981011	Kis	2451098.105	-	151	CCD(Rc)
BC Eri	EW	1998	19981120	Nga	2451138.1	0.0004	134	CCD(V)
BC Eri	EW	1998	19981228	Nga	2451176.062	0.0009	105	CCD(V)
BC Eri	EW	1999	19991025	Kis	2451477.116	0.0007	173	CCD(Ic)
BC Eri	EW	1999	19991225	Nga	2451538.014	0.0015	41	CCD(V)
BV Eri	EW	1996	19961208	Nga	2450425.993	-	58	CCD(V)
BV Eri	EW	1996	19961212	Nga	2450430.059	-	103	CCD(V)
BV Eri	EW	1998	19981029	Kis	2451116.151	0.0004	101	CCD(Rc)
TT Eri	EA	1999	19991130	Kis	2451513.008	0.0004	86	CCD(Ic)
TZ Eri	EA	1994	19940130	Hsk	2449382.995	0.002	20	vis
TZ Eri	EA	1994	19941206	Sny	2449693.124	0.001	23	vis
TZ Eri	EA	1999	19990110	Mhh	2451189.054	0.001	48	vis
YY Eri	EW	1992	19921121	Nga	2448948.066	-	18	PMT(B)
YY Eri	EW	1994	19941206	Nga	2449692.963	0.0003	130	PMT(V)
YY Eri	EW	1995	19950101	Sny	2449719.012	0.003	32	vis
YY Eri	EW	1995	19951124	Kis	2450046.141	0.0005	34	CCD(V)
YY Eri	EW	1995	19951127	Kis	2450049.195	-	112	CCD(V)
YY Eri	EW	1995	19951128	Kis	2450050.159	-	76	CCD(V)
YY Eri	EW	1995	19951219	Nga	2450071.056	0.0003	251	CCD(V)
YY Eri	EW	1996	19960224	Nga	2450137.927	-	16	PMT(B,V)
YY Eri	EW	1996	19960224	Mkn	2450137.928	0.001	10	vis
YY Eri	EW	1996	19960224	Tku	2450137.929	0.001	12	vis
YY Eri	EW	1996	19960224	Kot	2450137.932	-	6	vis
YY Eri	EW	1996	19961225	Mkn	2450443.033	0.001	19	vis
YY Eri	EW	1996	19961226	Nga	2450443.994	0.001	60	CCD(V)

star	type	year	date	obs.	min.	err.	n	method
YY Eri	EW	1997	19970103	Mkn	2450452.022	0	32	vis
YY Eri	EW	1997	19970110	Mhh	2450459.095	0.001	22	vis
YY Eri	EW	1998	19980106	Nga	2450819.989	0.0003	92	CCD(V)
YY Eri	EW	1998	19980116	Nga	2450829.954	0.0002	133	CCD(V)
YY Eri	EW	1998	19980121	Nga	2450834.938	0.0002	84	CCD(V)
YY Eri	EW	1998	19980130	Nga	2450843.94	0.0003	71	CCD(V)
YY Eri	EW	1998	19981108	Nga	2451126.053	-	129	CCD(V)
YY Eri	EW	1998	19981111	Nga	2451129.11	0.0004	136	CCD(V)
YY Eri	EW	1998	19981231	Mhh	2451179.105	0.002	12	vis
YY Eri	EW	1999	19990122	Nga	2451200.964	0.0002	151	CCD(V)
YY Eri	EW	1999	19991223	Nga	2451535.967	0.0006	57	CCD(V)
AE For	EA	1999	19990102	Kis	2451180.909	0.0002	57	CCD(Rc)
AE For	EA	1999	19990112	Kis	2451191.01	0.0002	97	CCD(Rc)
AE For	EA	1999	19990113	Kis	2451191.928	0.0001	97	CCD(V)
AE For	EA	1999	19990118	Kis	2451196.977	0.0001	104	CCD(Rc)
AE For	EA	1999	19991121	Kis	2451504.119	0.0002	136	CCD(Ic)
AF Gem	EA	1995	19950130	Sny	2449748.01	0.001	14	vis
BO Gem	EA	1939	19390210	Kds	2429305.052	-	6	vis
GW Gem	EB	1996	19961214	Nga	2450432.116	-	63	CCD(V)
GW Gem	EB	1997	19970222	Mhh	2450502.024	-	22	vis
RW Gem	EB	1995	19950102	Sny	2449719.971	-	25	vis
CT Her	EA	1995	19950518	Sny	2449856.014	-	9	vis
RX Her	EA	1969	19690519	Ska	2440361.165	-	8	vis
RX Her	EA	1999	19990808	Stm	2451398.993	-	7	vis
SZ Her	EA	1994	19940804	Nto	2449569.159	0.019	12	vis
SZ Her	EA	1995	19950426	Sny	2449834.202	0.004	18	vis
SZ Her	EA	1995	19950519	Mkn	2449857.105	0.001	35	vis
SZ Her	EA	1995	19950519	Sny	2449857.106	0.001	28	vis
SZ Her	EA	1999	19990731	Mhh	2451391.042	0.001	24	vis
TU Her	EA	1995	19950727	Sny	2449926.128	0.002	17	vis
u Her	EA	1983	19830726	Kat	2445542.007	-	6	vis
AV Hya	EB	1995	19950319	Sny	2449796.103	-	18	vis
AV Hya	EB	1998	19980307	Nga	2450879.969	-	94	CCD(V)
AV Hya	EB	1998	19980324	Nga	2450897.058	-	66	CCD(V)
AV Hya	EB	1998	19981227	Kis	2451175.204	0.0007	37	CCD(V)
AV Hya	EB	1999	19990216	Nga	2451226.122	-	120	CCD(V)
DF Hya	EW	1998	19980208	Kis	2450853.046	0.0004	66	CCD(Rc)
DF Hya	EW	1998	19980209	Kis	2450854.039	0.0003	56	CCD(Rc)
DK Hya	EB	1999	19990205	Nga	2451215.081	-	72	CCD(V)
FG Hya	EW	1999	19990113	Nga	2451192.118	0.0007	135	CCD(V)
FG Hya	EW	1999	19990206	Nga	2451216.049	0.0008	123	CCD(V)
FO Hya	EA	1996	19960415	Nga	2450189.003	-	28	CCD(V)
HS Hya	EA	1996	19960413	Nga	2450186.978	-	69	CCD(V)
HS Hya	EA	1998	19980420	Nga	2450923.98	-	61	CCD(V)
RX Hya	EA	1999	19991105	Kis	2451488.26	0.0001	120	CCD(V)
WY Hya	EW	1998	19981224	Kis	2451172.185	0.0001	70	CCD(V)
CM Lac	EA	1990	19900824	Nga	2448128.024	-	23	pg
CM Lac	EA	1996	19960811	Nga	2450307.182	0.002	32	CCD(V)
CM Lac	EA	1998	19980816	Mhh	2451042.129	0.001	23	vis
SW Lac	EW	1988	19881112	Nga	2447478.045	0.001	20	pg
SW Lac	EW	1988	19881228	Nga	2447524.06	0	15	pg
SW Lac	EW	1993	19930812	Nga	2449212.06	-	7	PMT(V)

star	type	year	date	obs.	min.	err.	n	method
SW Lac	EW	1993	19931211	Nga	2449332.92	-	58	PMT(V)
SW Lac	EW	1994	19940803	Nto	2449568.184	0.002	29	vis
VX Lac	EA	1994	19941108	Sny	2449664.981	0.001	18	vis
AP Leo	EW	1998	19980403	Nga	2450906.992	0.0005	76	CCD(V)
AP Leo	EW	1998	19981226	Kis	2451174.241	0.0002	83	CCD(V)
AP Leo	EW	1999	19990322	Nga	2451260.096	0.0008	94	CCD(V)
UV Leo	EA	1984	19840408	Kat	2445798.974	0	31	vis
UV Leo	EA	1985	19850427	Kat	2446183.032	0.001	22	vis
UV Leo	EA	1989	19890429	Nga	2447646.03	-	25	pg
UV Leo	EA	1998	19980324	Mhh	2450897.009	-	37	vis
UV Leo	EA	1998	19980329	Kis	2450902.105	0.0002	27	CCD(Re)
UV Leo	EA	1998	19980404	Mhh	2450908.111	-	36	vis
UV Leo	EA	1998	19981120	Kit	2451138.24	-	16	vis
UV Leo	EA	1998	19981126	Kit	2451144.241	-	36	vis
XY Leo	EW	1985	19850328	Kat	2446153.067	0.001	87	vis
XY Leo	EW	1997	19970308	Nga	2450516.213	0.0005	93	CCD(V)
XZ Leo	EW	1985	19850328	Kat	2446153.015	0.002	23	vis
Y Leo	EA	1994	19940329	Sny	2449440.93	-	5	vis
Y Leo	EA	1995	19950101	Sny	2449719.144	0	34	vis
Z Lep	E	1998	19981217	Kis	2451165.011	0.0001	101	CCD(V)
delta Lib	EA	1960	19600327	Nuh	2437021.286	0.002	13	vis
delta Lib	EA	1971	19710327	Skr	2441038.248	0.006	11	vis
delta Lib	EA	1971	19710327	Tbs	2441038.28	-	6	vis
delta Lib	EA	1995	19950423	Sny	2449831.085	-	13	vis
delta Lib	EA	1996	19960525	Nga	2450229.017	-	18	vis
VZ Lib	EW	1999	19990507	Kis	2451306.023	0.0004	40	CCD
VZ Lib	EW	1999	19990512	Nga	2451311.043	0.0014	48	CCD(V)
VZ Lib	EW	1999	19990517	Nga	2451316.064	0.0013	46	CCD(V)
VZ Lib	EW	1999	19990601	Kis	2451331.101	0.0003	68	CCD(Re)
T LMi	EA	1977	19770314	Hsk	2443217.024	0	21	vis
EW Lyr	EA	1995	19950527	Sny	2449865.133	0	23	vis
EW Lyr	EA	1995	19950527	Mkn	2449865.137	0.001	48	vis
UZ Lyr	EA	1986	19860801	Ism	2446644.126	0.003	10	vis
BO Mon	EA	1994	19940109	Sny	2449362.085	0.001	29	vis
BO Mon	EA	1994	19940417	Sny	2449459.988	0.005	16	vis
BO Mon	EA	1994	19941202	Sny	2449689.182	0	31	vis
BO Mon	EA	1994	19941231	Nto	2449718.112	0	45	vis
BO Mon	EA	1999	19990121	Kis	2451200.099	0	139	CCD(Re)
DD Mon	EB	1998	19981220	Kis	2451168.171	0.0001	142	CCD(V)
RW Mon	EA	1909	19090204	Ich	2418342.074	0.0005	29	vis
RW Mon	EA	1909	19090206	Ich	2418343.978	0.0007	77	vis
RW Mon	EA	1911	19110204	Ich	2419072.11	0.0011	42	vis
RW Mon	EA	1911	19110206	Ich	2419074.016	0.0009	25	vis
RW Mon	EA	1985	19850125	Kat	2446091.033	0.004	38	vis
V498 Mon	EA	1996	19960113	Nga	2450095.959	-	235	CCD(V)
U Oph	EA	1909	19090427	Ich	2418424.22	0.004	8	vis
U Oph	EA	1971	19710327	Skr	2441038.208	0.004	13	vis
U Oph	EA	1984	19840823	Kat	2445936.06	-	8	vis
U Oph	EA	1999	19990501	Nga	2451300.225	-	135	CCD(V)
U Oph	EA	1999	19990724	Kit	2451384.084	0.001	20	vis
V1010 Oph	EB	1970	19700529	Iwn	2440736.194	-	10	vis
V1010 Oph	EB	1985	19850716	Kat	2446263.071	-	8	vis

star	type	year	date	obs.	min.	err.	n	method
V502 Oph	EW	1999	19990430	Nga	2451299.104	0.0011	54	CCD(V)
V502 Oph	EW	1999	19990520	Nga	2451319.056	0.001	118	CCD(V)
V508 Oph	EW	1985	19850715	Kat	2446262.085	0.002	16	vis
V566 Oph	EW	1994	19940812	Nga	2449577.168	0.0008	17	CCD(V)
V566 Oph	EW	1996	19960712	Nga	2450277.063	0.0025	60	CCD(V)
V566 Oph	EW	1996	19960713	Nga	2450278.084	0.0017	31	CCD(V)
V566 Oph	EW	1997	19970624	Nga	2450624.036	-	11	CCD(V)
V566 Oph	EW	1997	19970705	Nga	2450635.097	-	62	CCD(V)
V566 Oph	EW	1998	19980727	Nga	2451022.007	0.0027	94	CCD(V)
V566 Oph	EW	1998	19980728	Nga	2451023.036	0.0007	99	CCD(V)
V566 Oph	EW	1999	19990601	Nga	2451331.098	0.0006	130	CCD(V)
V566 Oph	EW	1999	19990614	Nga	2451344	0.0005	141	CCD(V)
EQ Ori	EA	1994	19940130	Hsk	2449382.943	0.001	12	vis
EQ Ori	EA	1994	19940130	Sny	2449382.958	-	27	vis
EQ Ori	EA	1998	19981221	Kis	2451169.175	0.0002	96	CCD(V)
ER Ori	EW	1994	19941204	Sny	2449691.332	-	24	vis
ER Ori	EW	1995	19951215	Kis	2450067.097	0.0003	41	CCD(V)
ER Ori	EW	1997	19970125	Nga	2450473.984	0.0005	82	CCD(V)
ER Ori	EW	1997	19970204	Nga	2450483.935	0.0007	75	CCD(V)
ER Ori	EW	1997	19970219	Nga	2450498.964	0.0007	54	CCD(V)
ER Ori	EW	1998	19980125	Nga	2450838.956	0.0004	139	CCD(V)
ER Ori	EW	1998	19980131	Nga	2450844.888	0.0001	99	CCD(V)
ER Ori	EW	1998	19981229	Nga	2451177.04	0.0005	294	CCD(V)
ER Ori	EW	1999	19990213	Mkn	2451222.974	0.007	11	vis
ER Ori	EW	1999	19990213	Imm	2451222.979	0.003	12	vis
ER Ori	EW	1999	19990213	Mhh	2451222.979	-	22	vis
ER Ori	EW	1999	19990213	Wnt	2451222.984	-	10	vis
ER Ori	EW	1999	19990214	Mhh	2451224.04	-	15	vis
ER Ori	EW	1999	19991020	Kis	2451472.153	0.0001	51	CCD(Ic)
ET Ori	EA	1999	19991130	Kis	2451513.215	0.0001	79	CCD(V)
FF Ori	EA	1998	19981210	Kis	2451158.083	0.0003	44	CCD(V)
FL Ori	EA	1994	19940210	Hsk	2449393.97	-	4	vis
FL Ori	EA	1995	19951201	Kis	2450053.129	0.0003	63	CCD(V)
FL Ori	EA	1996	19960112	Sny	2450095.005	0	33	vis
FZ Ori	EW	1999	19990116	Nga	2451194.967	0.0005	84	CCD(V)
FZ Ori	EW	1999	19990117	Nga	2451195.964	0.001	80	CCD(V)
V648 Ori	EA	1998	19981227	Kis	2451175.071	0.0007	60	CCD(V)
BN Peg	EA	1999	19991025	Kis	2451477.021	0.0001	93	CCD(Ic)
DI Peg	EA	1985	19850816	Kat	2446294.117	0	46	vis
beta Per	EA	1927	19270104	Hhm	2424884.97	-	6	vis
beta Per	EA	1943	19431225	Kdk	2431084.099	-	7	vis
beta Per	EA	1943	19431228	Kdk	2431086.981	0.003	9	vis
beta Per	EA	1944	19440117	Kdk	2431107.05	-	6	vis
beta Per	EA	1944	19441113	Kdk	2431408.109	-	10	vis
beta Per	EA	1944	19441116	Kdk	2431410.976	-	7	vis
beta Per	EA	1945	19451026	Fuk	2431755.074	-	8	vis
beta Per	EA	1949	19490805	Kth	2433134.247	-	12	vis
beta Per	EA	1949	19491218	Sky	2433269.007	-	9	vis
beta Per	EA	1956	19560304	Oky	2435537.05	-	9	vis
beta Per	EA	1957	19571122	Oky	2436165.008	0.0021	19	vis
beta Per	EA	1958	19581012	Ykh	2436489.02	-	11	vis
beta Per	EA	1959	19590106	Ykh	2436575.032	-	11	vis

star	type	year	date	obs.	min.	err.	n	method
beta Per	EA	1966	19661211	Mtm	2439471.064	-	12	vis
beta Per	EA	1967	19670103	Mtm	2439493.974	-	9	vis
beta Per	EA	1967	19671120	Hik	2439815.124	0.002	17	vis
beta Per	EA	1967	19671120	Knm	2439815.127	-	13	vis
beta Per	EA	1967	19671120	Kya	2439815.128	0	11	vis
beta Per	EA	1967	19671210	Hik	2439835.19	0.001	20	vis
beta Per	EA	1967	19671216	Mtm	2439840.924	0.003	14	vis
beta Per	EA	1967	19671216	Idn	2439840.925	0.005	12	vis
beta Per	EA	1967	19671216	Tnt	2439840.926	0.001	11	vis
beta Per	EA	1968	19680105	Sya	2439860.996	0.002	22	vis
beta Per	EA	1968	19680105	Hik	2439860.998	0.001	20	vis
beta Per	EA	1968	19680105	Idn	2439860.998	0.001	24	vis
beta Per	EA	1968	19680105	Tnt	2439860.998	0	30	vis
beta Per	EA	1968	19680105	Mtm	2439861.005	0	22	vis
beta Per	EA	1968	19680128	Mtm	2439883.937	0.001	15	vis
beta Per	EA	1968	19681217	Mtm	2440207.941	0	14	vis
beta Per	EA	1969	19690103	Owa	2440225.13	-	6	vis
beta Per	EA	1969	19690405	Ozk	2440316.931	-	7	vis
beta Per	EA	1970	19701102	Tbs	2440893.26	-	11	vis
beta Per	EA	1971	19711018	Nkm	2441243.059	-	6	vis
beta Per	EA	1973	19731113	Ttb	2442000.026	0.001	16	vis
beta Per	EA	1973	19731113	Tii	2442000.028	0.003	20	vis
beta Per	EA	1973	19731113	Syh	2442000.033	0.004	20	vis
beta Per	EA	1973	19731113	Mth	2442000.034	-	9	vis
beta Per	EA	1973	19731229	Sra	2442045.918	0.0009	11	vis
beta Per	EA	1973	19731229	Mrm	2442045.92	0.0014	11	vis
beta Per	EA	1973	19731229	Mot	2442045.922	0.001	11	vis
beta Per	EA	1974	19740118	Mtm	2442065.986	0.0016	16	vis
beta Per	EA	1974	19740118	Mor	2442065.991	0.0032	16	vis
beta Per	EA	1974	19741208	Tki	2442389.979	0.001	25	vis
beta Per	EA	1975	19750209	Mtm	2442453.045	0.0009	16	vis
beta Per	EA	1975	19750209	Mor	2442453.046	-	10	vis
beta Per	EA	1975	19750212	Mtm	2442455.914	0.0019	11	vis
beta Per	EA	1975	19751120	Kat	2442736.956	-	9	vis
beta Per	EA	1976	19760102	Mor	2442779.956	-	13	vis
beta Per	EA	1976	19761231	Kat	2443144.081	-	13	vis
beta Per	EA	1981	19811130	Kat	2444939.03	-	4	vis
beta Per	EA	1983	19831002	Kat	2445610.02	-	10	vis
beta Per	EA	1983	19831114	Kat	2445652.983	0.005	51	vis
beta Per	EA	1984	19840726	Kat	2445908.17	-	10	vis
beta Per	EA	1984	19841023	Kat	2445997.063	-	9	vis
beta Per	EA	1986	19861209	Kat	2446774.107	0.005	10	vis
beta Per	EA	1994	19941206	Sny	2449693.052	0.003	26	vis
beta Per	EA	1995	19951115	Sny	2450037.124	-	8	vis
beta Per	EA	1995	19951115	Mkn	2450037.128	-	5	vis
beta Per	EA	1995	19951118	Nga	2450039.98	-	5	vis
beta Per	EA	1995	19951118	Ths	2450039.982	0.006	17	vis
beta Per	EA	1995	19951118	Sny	2450039.987	0.003	13	vis
beta Per	EA	1995	19951231	Kyh	2450082.995	0.001	18	vis
beta Per	EA	1996	19960212	Sny	2450126.032	0.009	16	vis
beta Per	EA	1997	19970824	Stm	2450685.118	0.001	41	vis
beta Per	EA	1997	19971006	Stm	2450728.131	0.006	10	vis

star	type	year	date	obs.	min.	err.	n	method
beta Per	EA	1998	19981120	Kit	2451138.169	0.003	28	vis
beta Per	EA	1998	19981123	Kit	2451141.03	0.002	37	vis
beta Per	EA	1999	19990128	Imm	2451206.984	-	7	vis
IZ Per	EA	1999	19991109	Stm	2451491.985	-	12	vis
RT Per	EA	1987	19870121	Hsk	2446816.99	-	5	vis
RT Per	EA	1987	19870201	Hsk	2446828.028	0.002	11	vis
RT Per	EA	1994	19941229	Sny	2449716.009	0.001	15	vis
RT Per	EA	1998	19981229	Ioh	2451176.985	-	25	vis
RT Per	EA	1999	19991224	Mhh	2451537.133	-	22	vis
RY Per	EA	1906	19061220	Ich	2417564.661	-	22	vis
RY Per	EA	1907	19070206	Ich	2417612.743	0.001	23	vis
RY Per	EA	1911	19110117	Ich	2419054.093	-	13	vis
ST Per	EA	1994	19940109	Hsk	2449362.023	-	12	vis
ST Per	EA	1995	19950918	Sny	2449979.089	0	25	vis
V432 Per	EW	1997	19970109	Mhh	2450458.126	-	41	vis
V432 Per	EW	1997	19970110	Mhh	2450459.088	-	34	vis
V432 Per	EW	1998	19981219	Mhh	2451167.077	-	24	vis
V436 Per	EA	1985	19850808	Kat	2446286.139	-	7	vis
XZ Per	EA	1994	19941229	Sny	2449715.913	-	9	vis
VZ Psc	EW	1998	19981025	Nga	2451111.914	-	34	CCD(V)
VZ Psc	EW	1999	19990831	Nga	2451422.162	-	51	CCD(V)
VZ Psc	EW	1999	19991010	Kis	2451461.997	-	103	CCD(Rc)
VZ Psc	EW	1999	19991011	Nga	2451463.037	0.0014	45	CCD(V)
RS Sct	EB	1909	19090427	Ich	2418424.271	0.001	13	vis
RS Sct	EB	1910	19100530	Ich	2418822.17	-	7	vis
RS Sct	EB	1910	19100607	Ich	2418830.13	-	6	vis
RS Sct	EB	1910	19101026	Ich	2418970.94	-	7	vis
RS Sct	EB	1995	19950815	Nga	2449945.036	-	79	CCD(V)
RS Sct	EB	1995	19950819	Nga	2449949.019	0.0006	106	CCD(V)
RS Sct	EB	1995	19950826	Nga	2449956.009	-	118	CCD(V)
RS Sct	EB	1996	19960815	Nga	2450311.032	-	40	CCD(V)
RS Sct	EB	1997	19970810	Nga	2450671.044	0.0006	39	CCD(V)
RS Sct	EB	1997	19970811	Nga	2450672.047	-	50	CCD(V)
W Sct	EA	1910	19100211	Ich	2418714.32	-	9	vis
W Sct	EA	1911	19110418	Ich	2419145.187	0.002	21	vis
AO Ser	EA	1999	19990416	Mhh	2451285.151	0.001	25	vis
EG Ser	EA	1994	19940815	Nga	2449580.052	0.001	47	vis
Y Sex	EW	1998	19980404	Nga	2450907.956	0.0006	90	CCD(V)
Y Sex	EW	1998	19980410	Nga	2450914.026	0.0012	89	CCD(V)
Y Sex	EW	1999	19990223	Nga	2451233.1	0.0004	204	CCD(V)
Y Sex	EW	1999	19990331	Nga	2451268.998	0.0028	51	CCD(V)
U Sge	EA	1973	19731022	Kym	2441977.947	-	7	vis
U Sge	EA	1984	19840810	Kat	2445923.141	0.001	128	vis
U Sge	EA	1986	19860731	Ism	2446643.198	0.001	35	vis
U Sge	EA	1987	19870920	Hsk	2447059.031	0.001	17	vis
U Sge	EA	1995	19950912	Sny	2449973.123	-	22	vis
V Sge	E	1985	19850804	Kat	2446282.09	0	558	vis
V Sge	E	1987	19870901	Hsk	2447040.011	0	13	vis
V505 Sgr	EA	1957	19571122	Oky	2436164.95	-	8	vis
V505 Sgr	EA	1998	19980823	Nga	2451048.991	0.0006	59	CCD(V)
AM Tau	EA	1997	19970102	Mhh	2450451.094	0	37	vis
AM Tau	EA	1997	19970214	Mhh	2450494.018	0	32	vis

star	type	year	date	obs.	min.	err.	n	method
AM Tau	EA	1999	19990114	Mhh	2451193.037	0.001	27	vis
AM Tau	EA	1999	19991211	Mhh	2451524.151	0.001	20	vis
HU Tau	EA	1968	19680227	Mtm	2439914.042	0.003	41	vis
HU Tau	EA	1968	19681219	Kty	2440210.154	-	9	vis
HU Tau	EA	1977	19770119	Sah	2443163.005	-	9	vis
HU Tau	EA	1985	19850121	Kat	2446087.068	0.002	18	vis
HU Tau	EA	1990	19901111	Nga	2448207.121	0.0005	45	PMT(V)
HU Tau	EA	1993	19930117	Nga	2449004.966	0.0014	11	PMT(V)
lambda Tau	EA	1909	19090807	Ich	2418526.257	-	7	vis
lambda Tau	EA	1911	19110204	Ich	2419072.06	-	5	vis
lambda Tau	EA	1984	19841122	Kat	2446027.04	-	10	vis
RW Tau	EA	1994	19940122	Hsk	2449374.983	0.001	22	vis
RW Tau	EA	1994	19940122	Sny	2449374.985	0.001	37	vis
RW Tau	EA	1994	19941209	Sny	2449696.16	-	49	vis
RW Tau	EA	1994	19941223	Nto	2449710.005	0	61	vis
RW Tau	EA	1995	19951109	Sny	2450031.182	0	40	vis
RZ Tau	EW	1999	19991225	Mhh	2451538.103	0.001	16	vis
RZ Tau	EW	1999	19991229	Mhh	2451542.05	0.001	13	vis
SV Tau	EA	1911	19110420	Ich	2419147.042	-	6	vis
SV Tau	EA	1994	19940131	Sny	2449384.049	-	14	vis
SV Tau	EA	1994	19940213	Sny	2449719.922	0.003	8	vis
SV Tau	EA	1995	19950102	Sny	2449719.924	0.003	14	vis
RV Tri	EA	1995	19950115	Sny	2449733.036	0	19	vis
RV Tri	EA	1996	19961228	Mhh	2450446.013	0.001	23	vis
RW Tri	EA	1986	19861201	Fos	2446765.984	0	21	vis
RW Tri	EA	1986	19861205	Fos	2446769.924	0	19	vis
RW Tri	EA	1986	19861207	Fos	2446772.014	0	25	vis
RW Tri	EA	1986	19861224	Fos	2446788.94	0	17	vis
V Tri	EB	1995	19950112	Sny	2449730.022	0.001	9	vis
X Tri	EA	1988	19881210	Nga	2447506.118	0.001	28	pg
X Tri	EA	1993	19931025	Sny	2449285.958	0	51	vis
X Tri	EA	1994	19941104	Sny	2449660.965	0	13	vis
X Tri	EA	1994	19941202	Sny	2449689.142	0.001	11	vis
X Tri	EA	1994	19941204	Nto	2449691.087	0	23	vis
X Tri	EA	1995	19950108	Nmt	2449726.063	0.001	18	vis
X Tri	EA	1995	19951217	Mhh	2450069.009	0	45	vis
X Tri	EA	1996	19960911	Mkn	2450338.124	0	34	vis
X Tri	EA	1996	19961011	Sny	2450368.238	-	18	vis
X Tri	EA	1996	19961013	Mkn	2450370.18	0.001	21	vis
X Tri	EA	1996	19961016	Kis	2450373.097	0.0008	12	CCD(V)
X Tri	EA	1996	19961016	Mkn	2450373.098	0.001	16	vis
X Tri	EA	1996	19961016	Ths	2450373.098	0	59	vis
X Tri	EA	1996	19961016	Som	2450373.099	-	11	vis
X Tri	EA	1996	19961228	Mhh	2450445.963	0	17	vis
X Tri	EA	1997	19971022	Stm	2450744.223	0.001	21	vis
X Tri	EA	1997	19971025	Wnt	2450747.139	0.001	25	vis
X Tri	EA	1997	19971026	Mhh	2450748.11	0	28	vis
X Tri	EA	1997	19971026	Som	2450748.111	0.001	20	vis
X Tri	EA	1997	19971026	Mkn	2450748.114	0	33	vis
X Tri	EA	1997	19971027	Sny	2450749.081	0	23	vis
X Tri	EA	1997	19971101	Som	2450753.935	0.001	18	vis
X Tri	EA	1997	19971101	Nga	2450753.936	0.0001	126	CCD(V)

star	type	year	date	obs.	min.	err.	n	method
X Tri	EA	1997	19971101	Nts	2450753.937	0.001	18	vis
X Tri	EA	1997	19971101	Ioh	2450753.938	0.001	28	vis
X Tri	EA	1997	19971101	Mkn	2450753.938	0	34	vis
X Tri	EA	1997	19971101	Stm	2450753.94	-	8	vis
X Tri	EA	1997	19971101	Ths	2450753.942	0.001	24	vis
X Tri	EA	1998	19980105	Wnt	2450819.028	0.001	18	vis
X Tri	EA	1998	19981003	Mom	2451090.086	0.001	27	vis
X Tri	EA	1998	19981108	Mhh	2451126.037	0	28	vis
X Tri	EA	1999	19990114	Ioh	2451193.067	-	14	vis
X Tri	EA	1999	19990115	Ioh	2451194.04	0.001	22	vis
X Tri	EA	1999	19991113	Mhh	2451496.184	0.001	26	vis
TX UMa	EA	1971	19710124	Nim	2440976.07	-	4	vis
TX UMa	EA	1978	19780324	Nga	2443592.111	0.0024	38	vis
TX UMa	EA	1978	19781130	Mwa	2443843.304	0.0017	36	vis
TX UMa	EA	1985	19850522	Tom	2446208.13	0.002	11	vis
TX UMa	EA	1996	19960212	Sny	2450126.142	-	13	vis
TX UMa	EA	1999	19991225	Kit	2451538.303	-	27	vis
UX UMa	EA	1987	19870331	Arm	2446886.023	0	28	vis
UX UMa	EA	1987	19870404	Kat	2446890.155	0	21	vis
UX UMa	EA	1987	19870404	Ism	2446890.156	0.001	145	vis
UX UMa	EA	1987	19870405	Kat	2446891.137	0	32	vis
VV UMa	EA	1995	19950129	Sny	2449747.122	-	10	vis
VV UMa	EA	1995	19950403	Sny	2449811.048	0.001	17	vis
VV UMa	EA	1997	19970221	Mhh	2450501.168	-	15	vis
VV UMa	EA	1997	19970324	Mhh	2450532.096	-	24	vis
W UMa	EW	1908	19080129	Ich	2417970.06	-	14	vis
W UMa	EW	1972	19720122	Hsk	2441339.041	0.001	23	vis
W UMa	EW	1991	19910103	Nga	2448259.998	0.0001	33	PMT(V)
W UMa	EW	1995	19950112	Sny	2449730.001	0.001	12	vis
W UMa	EW	1995	19950320	Sny	2449797.071	0.005	21	vis
W UMa	EW	1995	19950404	Nto	2449812.108	-	7	vis
W UMa	EW	1997	19970324	Mhh	2450532.06	-	18	vis
W UMa	EW	1997	19970330	Mhh	2450538.069	-	13	vis
XZ UMa	EA	1994	19940108	Sny	2449361.105	-	8	vis
XZ UMa	EA	1994	19940130	Sny	2449383.098	0.002	13	vis
XZ UMa	EA	1995	19950318	Nto	2449795.014	0.001	20	vis
XZ UMa	EA	1995	19950523	Sny	2449861.027	0.005	12	vis
XZ UMa	EA	1997	19970324	Mhh	2450532.079	-	22	vis
ZZ UMa	EA	1977	19770314	Hsk	2443217.157	0.002	26	vis
RU UMi	EB	1989	19890203	Nga	2447561.065	-	23	pg
RU UMi	EB	1995	19950306	Sny	2449783.081	0.001	10	vis
W UMi	EA	1999	19991009	Stm	2451460.999	-	15	vis
AH Vir	EW	1985	19850429	Kat	2446185.041	0	86	vis
AW Vir	EW	1996	19960510	Nga	2450214.014	-	29	CCD(V)
AX Vir	EB	1999	19990413	Nga	2451282.114	0.0006	71	CCD(V)
AZ Vir	EW	1999	19990407	Nga	2451276.133	0.0011	76	CCD(V)
BF Vir	EB	1985	19850516	Kat	2446202.01	-	17	vis
BH Vir	EA	1987	19870524	Hsk	2446940.024	0.003	14	vis
BH Vir	EA	1995	19950519	Sny	2449857.073	0.003	21	vis
BH Vir	EA	1997	19970427	Nga	2450566.112	0.0008	43	CCD(V)
BH Vir	EA	1999	19990415	Nga	2451284.142	0.0005	75	CCD(V)
GR Vir	EW	1997	19970525	Nga	2450594.002	0.0009	34	CCD(V)

star	type	year	date	obs.	min.	err.	n	method
HW Vir	EA	1987	19870420	Ism	2446906.158	0	129	vis
UW Vir	EA	1995	19950523	Sny	2449861.007	-	20	vis
UW Vir	EA	1995	19950601	Kis	2449870.066	0.0005	34	CCD(V)
AW Vul	EA	1985	19850715	Kat	2446262.082	0.002	15	vis
BE Vul	EA	1985	19850715	Kat	2446262.141	0.004	16	vis
BU Vul	EA	1985	19850715	Kat	2446262.07	0	13	vis
BU Vul	EA	1985	19850716	Kat	2446263.198	-	17	vis
BU Vul	EA	1995	19950912	Sny	2449973.04	0.005	10	vis
RR Vul	EA	1985	19850716	Kat	2446263.117	0.003	16	vis
Z Vul	EA	1995	19950723	Nga	2449921.949	-	12	vis
Z Vul	EA	1999	19990821	Stm	2451412.103	-	12	vis

errata

followings are errata of minimum timing of eclipsing binaries reported in VSOLJ bulletin

Variable Star Bulletin, No.45 (2006)

FI Boo 2453834.1347 *1*F -0.0045 27354.5 V 189 Njh 25SC+CV-04
 FI Boo 2453867.1058 *1*F +0.0118 27523.5 V 134 Njh 25SC+CV-04
 *F min = 2448500.039 + 0.194999 x E (Hipparcos)
 should be
 FI Boo 2453834.1347 *1*F -0.0013 5425 V 189 Njh 25SC+CV-04
 FI Boo 2453867.1058 *1*F +0.0150 5509.5 V 134 Njh 25SC+CV-04
 *F min=2451718.3979+0.3899978xE (IBVS5341)

Variable Star Bulletin, No.44 (2005)

RW Mon 2453716.1948 -0.0616 3340 V 103 Njh 25SC+CV-04
 RW Mon 2453721.1732 *1 -0.4603 3341.5 V 270 Njh 25SC+CV-04
 should be
 RU Mon 2453716.1948 -0.0616 3340 V 103 Njh 25SC+CV-04
 RU Mon 2453721.1732 *1 -0.4603 3341.5 V 270 Njh 25SC+CV-04

Variable Star Bulletin, No.39 (2001)

UX Eri 2452233.0983 -0.1115 23156 Rc 43 Nga 10L+CV-04
 should be
 UX Eri 2452233.0983 *1 +0.1112 23155.5 Rc 43 Nga 10L+CV-04
 UX Eri 2452235.0985 *1 -0.1150 23160.5 Rc 97 Nga 10L+CV-04
 should be
 UX Eri 2452235.0985 +0.1076 23160 Rc 97 Nga 10L+CV-04
 UX Eri 2452237.1055 -0.1118 23165 Rc 81 Nga 10L+CV-04
 should be
 UX Eri 2452237.1055 *1 +0.1109 23164.5 Rc 81 Nga 10L+CV-04
 UX Eri 2452241.1144 -0.1104 23174 Ic 91 Kis 25SC+AP-7
 should be
 UX Eri 2452241.1144 *1 +0.1123 23173.5 Ic 91 Kis 25SC+AP-7

UX Eri 2452254.9167 -0.1117 23205 Rc 105 Nga 10L+CV-04
 should be
 UX Eri 2452254.9167 *1 +0.1109 23204.5 Rc 105 Nga 10L+CV-04

CC Ser 2452016.1524 *1 -0.0222 28167.5 C 46 Njh 25SC+CV-04
 should be
 CC Ser 2452016.1524 *1*5 +0.0041 6307 C 46 Njh 25SC+CV-04
 *5 min(1)=2448761.513+0.5160354xCycle (Krakow 2004)

Variable Star Bulletin, No.40 (2002)

KW Peg 2452561.2499 *7 -0.0765 5393 V 193 Njh 25SC+CV-04
 should be
 KW Peg 2452561.0178 *1*7 +0.0025 5392.5 V 193 Njh 25SC+CV-04

Variable Star Bulletin, No.42 (2003)

SS Ari 2452956.2071 -0.2043 34306 V 39 Njh 25SC+CV-04
 should be
 SS Ari 2452956.2071 *1 -0.0013 34305.5 V 39 Njh 25SC+CV-04

CC Ser 2452709.1879 -0.2411 29511 V 145 Njh 25SC+CV-04
 should be
 CC Ser 2452709.1879 *I +0.0041 7650 V 145 Njh 25SC+CV-04
 *I min(1)=2448761.513+0.5160354xCycle (Krakow 2004)

Variable Star Bulletin, No.43 (2004)

TZ Boo 2453026.3109 *1 -0.0680 45071.5 Rc 86 Njh 25SC+CV-04
 should be
 TZ Boo 2453026.3109 +0.0806 45071 Rc 86 Njh 25SC+CV-04

Variable Star Bulletin, No.44 (2005)

DW Tau 2453666.2832 -0.0614 57328 V 450 Kub 16L+BJ-41L
 should be
 GW Tau 2453666.2832 -0.0614 57328 V 450 Kub 16L+BJ-41L

Variable Star Bulletin, No.42 (2003)

R CMa 2451229.9575 +0.0681 6110 V 115 Nga 4.7L+ST-5
 V502 Oph 2451319.1339 *1 -0.0779 22375.5 V 87 Nga 10L+ST-5
 should be
 R CMa 2451230.0248 +0.0673 6110 V 115 Nga 4.7L+ST-5
 V502 Oph 2451319.0561 *1 -0.0779 22375.5 V 87 Nga 10L+ST-5

Additional data

Variable Star Bulletin, No.42 (2003)

V534 Aur 2452728.9746 *I -0.0046 677 V 114 Njh 25SC+CV-04
 RZ Com 2452999.3227 +0.0383 53653 Rc 73 Njh 25SC+CV-04
 MisV1228 2452986.9338 *1 C 128 Njh 25SC+CV-04
 MisV1220 2452885.1894 *1 C 171 Njh 25SC+CV-04

MisV1220 2452886.1730 *1 C 187 Njh 25SC+CV-04
 MisV1220 2452916.0102 C 113 Njh 25SC+CV-04
 MisV1220 2452958.0826 C 176 Njh 25SC+CV-04
 MisV1225 2452977.1586 C 249 Njh 25SC+CV-04
 MisV1225 2452981.0752 *1 C 121 Njh 25SC+CV-04
 MisV1225 2452998.0321 C 79 Njh 25SC+CV-04
 MisV1225 2453003.2500 C 45 Njh 25SC+CV-04
 MisV1226 2452965.2587 *1 C 79 Njh 25SC+CV-04
 MisV1226 2452965.9919 *1 C 86 Njh 25SC+CV-04
 MisV1226 2452975.1477 *1 C 182 Njh 25SC+CV-04
 MisV1226 2452975.3307 C 182 Njh 25SC+CV-04
 MisV1227 2452960.0826 *1 C 112 Njh 25SC+CV-04
 MisV1227 2452989.9157 *1 C 78 Njh 25SC+CV-04
 MisV1227 2453002.1207 C 61 Njh 25SC+CV-04
 I min(1) = 2451278.940 + 2.14186x E (IBVS5652)

Variable Star Bulletin, No.43 (2004)

MisV1275 2453356.8932 *1 C 137 Njh 25SC+CV-04
 MisV1275 2453366.1012 *1 C 166 Njh 25SC+CV-04
 MisV1287 2453293.0734 *1 C Njh 25SC+CV-04
 MisV1287 2453294.2229 C Njh 25SC+CV-04
 MisV1287 2453294.9863 C Njh 25SC+CV-04
 MisV1287 2453299.9635 *1 C Njh 25SC+CV-04
 MisV1288 2453285.2664 C Njh 25SC+CV-04
 MisV1288 2453294.2859 *1 C Njh 25SC+CV-04
 MisV1288 2453300.1907 *1 C Njh 25SC+CV-04
 MisV1288 2453313.1453 C Njh 25SC+CV-04
 MisV1289 2453285.0145 *1 C Njh 25SC+CV-04
 MisV1289 2453295.2354 C Njh 25SC+CV-04
 MisV1289 2453301.9416 *1 C Njh 25SC+CV-04
 MisV1289 2453331.9102 C Njh 25SC+CV-04
 MisV1290 2453318.3104 C Njh 25SC+CV-04
 MisV1290 2453322.2425 C Njh 25SC+CV-04
 MisV1290 2453326.1712 C Njh 25SC+CV-04
 MisV1290 2453340.2737 *1 C Njh 25SC+CV-04
 MisV1291 2453294.0289 C Njh 25SC+CV-04
 MisV1291 2453295.1299 C Njh 25SC+CV-04
 MisV1291 2453306.1242 C Njh 25SC+CV-04
 MisV1291 2453314.9222 C Njh 25SC+CV-04
 MisV1292 2453300.9578 C Njh 25SC+CV-04
 MisV1292 2453316.1799 C Njh 25SC+CV-04
 MisV1292 2453339.0035 *1 C Njh 25SC+CV-04
 MisV1292 2453339.9945 C Njh 25SC+CV-04
 MisV1293 2453341.1419 C 63 Njh 25SC+CV-04
 MisV1293 2453368.9168 C 58 Njh 25SC+CV-04
 MisV1293 2453371.1398 C 157 Njh 25SC+CV-04
 MisV1294 2453209.2334 C 153 Njh 25SC+CV-04
 MisV1294 2453292.3106 C 140 Njh 25SC+CV-04
 MisV1294 2453294.1174 C 90 Njh 25SC+CV-04
 MisV1294 2453295.9227 C 83 Njh 25SC+CV-04

Variable Star Bulletin, No.37 (1999)

VV Ori 2454379.204 -0.033 9081 v 24 Kit 5B,7B

Observers

Arm	Iida Makoto	Aso	Ashida Osamu
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