

Variable Star Bulletin

Visual and CCD minima of eclipsing binaries during 2003

Kazuo Nagai

E-mail: PXS10547@nifty.ne.jp

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Following table is summary of minima of eclipsing binary reported from VSOLJ members.

star	min.		O-C	E		n	obs.	inst.
RT And	2452651.921		-0.007	18301	v	12	Hsk	28SC
TW And	2452910.010		-0.026	3369	v	18	Hsk	28SC
XZ And	2452938.928		+0.139	21338	v	15	Hsk	28SC
AB And	2452897.9957		-0.0161	50584	V	73	Njh	25SC+CV-04
BX And	2452683.9868		-0.0350	26479	V	99	Njh	25SC+CV-04
BX And	2452932.3013		-0.0374	26886	V	48	Njh	25SC+CV-04
GZ And	2452917.0772		-0.0034	35868	V	198	Njh	25SC+CV-04
GZ And	2452917.2306	*1	-0.0025	35868.5	V	198	Njh	25SC+CV-04
LO And	2452909.9893		-0.0989	23181	V	230	Njh	25SC+CV-04
LO And	2452910.1787	*1	-0.0999	23181.5	V	230	Njh	25SC+CV-04
OO Aql	2452856.0274		+0.0218	28104	Rc	56	Nga	10L+CV-04
V822Aql	2452876.0670		+0.0563	1945	Rc	54	Nga	10L+CV-04
ST Aqr	2452951.9976		-0.0281	15001	V	92	Njh	25SC+CV-04
SU Aqr	2452862.1773		-0.0137	16773	Rc	46	Nga	10L+CV-04
CX Aqr	2452897.967		+0.008	29577	v	14	Hsk	28SC
CX Aqr	2452966.904		+0.003	29701	v	13	Hsk	28SC
EK Aqr	2452875.1160		-0.0795	21450	Rc	61	Nga	10L+CV-04
SS Ari	2452956.2071		-0.2043	34306	V	39	Njh	25SC+CV-04
SX Aur	2452653.9992		+0.0058	10323	V	99	Njh	25SC+CV-04
TT Aur	2452664.1432		-0.0063	23577	V	136	Njh	25SC+CV-04
ZZ Aur	2452646.9727		+0.0113	45146	V	195	Njh	25SC+CV-04
WW Aur	2452718.973		+0.008	7831	v	34	Kit	5B
AH Aur	2452655.0399	*1	-0.1931	32694.5	V	279	Njh	25SC+CV-04
AH Aur	2452660.9747	*1	-0.1895	32706.5	V	229	Njh	25SC+CV-04
AH Aur	2452661.2176		-0.1937	32707	V	229	Njh	25SC+CV-04
AH Aur	2452668.1350		-0.1960	32721	V	253	Njh	25SC+CV-04
AH Aur	2452670.1109		-0.1971	32725	V	245	Njh	25SC+CV-04
AH Aur	2452677.0322		-0.1955	32739	V	128	Njh	25SC+CV-04
AH Aur	2452726.9310		-0.2172	32840	V	43	Njh	25SC+CV-04
AP Aur	2452649.2083	*4	-0.0164	7685	V	150	Njh	25SC+CV-04
AP Aur	2452651.2002	*1*4	-0.0174	7688.5	V	309	Njh	25SC+CV-04
AP Aur	2452652.0567	*4	-0.0149	7690	V	302	Njh	25SC+CV-04

star	min.		O-C	E		n	obs.	inst.
EP Aur	2452914.1999		+0.0018	45016	V	66	Njh	25SC+CV-04
MN Aur	2452642.0095	*2	+0.0374	4837	V	157	Njh	25SC+CV-04
MN Aur	2452653.1694	*2	+0.0356	4839	V	295	Njh	25SC+CV-04
V410 Aur	2452665.0433	*1	+0.1310	11368.5	V	204	Njh	25SC+CV-04
V410 Aur	2452671.0938		+0.1369	11369	V	188	Njh	25SC+CV-04
V523 Aur	2452716.9856	*1*7	+0.0000	0.5	C	204	Njh	25SC+CV-04
V523 Aur	2452717.9767	*1*7	-0.0001	3.5	C	90	Njh	25SC+CV-04
V523 Aur	2452718.9671	*1*7	-0.0009	6.5	C	174	Njh	25SC+CV-04
V523 Aur	2452719.1334	*7	+0.0002	7	C	174	Njh	25SC+CV-04
V523 Aur	2452725.0794	*7	-0.0010	25	C	186	Njh	25SC+CV-04
TU Boo	2452698.2996	*1	+0.0592	60538.5	V	153	Njh	25SC+CV-04
TY Boo	2452729.1865		+0.0828	57540	V	105	Njh	25SC+CV-04
TZ Boo	2452657.2426		+0.0875	43829	V	106	Njh	25SC+CV-04
XY Boo	2452747.0994		+0.0149	34525	V	93	Njh	25SC+CV-04
AC Boo	2452717.2384	*1	-0.1317	76443.5	V	76	Njh	25SC+CV-04
AD Boo	2452758.0641		+0.0240	10947	V	69	Njh	25SC+CV-04
AR Boo	2452761.1133		+0.0769	38634	C	101	Njh	25SC+CV-04
EF Boo	2452711.1137	*1	+0.0150	10013.5	V	192	Njh	25SC+CV-04
EF Boo	2452711.3245		+0.0155	10014	V	192	Njh	25SC+CV-04
RZ Cas	2452698.980		+0.046	7947	v	40	Ygh	7B
IT Cas	2452898.2647		+0.0549	6194	C	86	Njh	25SC+CV-04
V523 Cas	2452874.1646	*1	+0.0573	49868.5	V	94	Mhh	20L+ST-7E
VV Cet	2452900.1554		+0.0997	41294	Rc	96	Nga	10L+CV-04
YY Cet	2452913.1766	*1*A	-0.2949	9683.5	Rc	100	Nga	10L+CV-04
AA Cet	2452990.961		-0.012	21863	v	29	Kit	7B
CK Cet	2452896.1098	*1	-0.0220	5728.5	Rc	93	Nga	10L+CV-04
R CMa	2452684.028		+0.067	7390	v	45	Kit	5B
RT CMa	2452997.1553		-0.6402	20384	Ic	386	Kis	25SC+AP-7
SX CMa	2452672.0948		+0.0413	15131	C	157	Kis	25SC+AP-7
UU CMa	2452664.1288		-0.1039	3723	Ic	185	Kis	25SC+AP-7
CW CMa	2452644.0416		-0.0053	4983	Rc	110	Nga	10L+CV-04
TX CMi	2452995.1674	*1	+0.0119	42150.5	Ic	449	Kis	25SC+AP-7
YY CMi	2452644.0726		+0.0123	22505	Rc	300	Kis	25SC+AP-7
YY CMi	2452644.075		+0.015	22505	v	55	Kit	12B
YY CMi	2452677.993		+0.018	22536	v	57	Kit	12B
YY CMi	2453005.106		+0.019	22835	v	33	Kit	12B
WY Cnc	2452955.2749		-0.0258	32076	V	54	Njh	25SC+CV-04
AD Cnc	2452694.9652		-0.0143	33609	V	68	Njh	25SC+CV-04
RZ Com	2452684.1730		+0.0378	52722	V	203	Njh	25SC+CV-04
RZ Com	2452684.3414	*1	+0.0369	52722.5	V	203	Njh	25SC+CV-04
RW Com	2452685.1477	*1	-0.0284	53351.5	V	185	Njh	25SC+CV-04
RW Com	2452685.2692		-0.0256	53352	V	185	Njh	25SC+CV-04
SS Com	2452724.2797		-0.0959	67157	V	161	Njh	25SC+CV-04
SS Com	2452991.3613		-0.0907	67804	Rc	47	Njh	25SC+CV-04
CC Com	2452644.3234		-0.0108	59409	C	126	Mhh	20L+ST-7E
DD Com	2452728.0836	*1	+0.0627	55528.5	C	205	Njh	25SC+CV-04
DD Com	2452728.2168		+0.0613	55529	C	205	Njh	25SC+CV-04
U CrB	2452706.203		+0.102	10416	v	48	Kit	10B
YY CrB	2452719.3193		-0.0110	11204	V	119	Njh	25SC+CV-04
VZ CVn	2452668.3064		-0.0010	16366	V	79	Njh	25SC+CV-04
BI CVn	2452687.1813		-0.1265	21663	V	162	Njh	25SC+CV-04
WZ Cyg	2452870.2037		+0.0554	20608	V	59	Njh	25SC+CV-04
ZZ Cyg	2452897.000		-0.037	12562	v	13	Hsk	28SC
KR Cyg	2452899.1337		+0.0100	28152	C	72	Njh	25SC+CV-04
V382 Cyg	2452817.2130		+0.0800	8487	V	79	Njh	25SC+CV-04
V1034 Cyg	2452909.0012		-0.0156	10206	V	92	Njh	25SC+CV-04
V1073 Cyg	2452874.1509	*1	-0.0943	18071.5	V	90	Njh	25SC+CV-04

star	min.		O-C	E		n	obs.	inst.
RZ Dra	2452760.2087		+0.0394	15580	V	76	Njh	25SC+CV-04
SX Dra	2452718.2837		+0.0687	1550	V	142	Njh	25SC+CV-04
RU Eri	2452998.9243	*1	-0.0230	16829.5	Rc	120	Nga	10L+CV-04
WX Eri	2452988.054		+0.024	30921	v	31	Kit	12B
YY Eri	2452956.9951	*1	+0.1043	35382.5	Rc	131	Nga	10L+CV-04
YY Eri	2452957.1566		+0.1051	35383	Rc	131	Nga	10L+CV-04
YY Eri	2452960.0502		+0.1052	35392	Rc	123	Nga	10L+CV-04
YY Eri	2452986.093		+0.107	35473	v	34	Kit	12B
YY Eri	2452987.055		+0.105	35476	v	38	Kit	12B
YY Eri	2452988.024		+0.109	35479	v	45	Kit	8B,12B
YY Eri	2452988.182	*1	+0.106	35479.5	v	45	Kit	8B,12B
YY Eri	2452989.951		+0.107	35485	v	18	Kit	12B
YY Eri	2452990.918		+0.110	35488	v	55	Kit	12B
YY Eri	2452991.076	*1	+0.107	35488.5	v	55	Kit	12B
YY Eri	2452994.936	*1	+0.109	35500.5	v	67	Kit	12B
YY Eri	2452995.091		+0.103	35501	v	67	Kit	12B
BC Eri	2452644.9721	*1*3	+0.0119	2169.5	Rc	75	Nga	10L+CV-04
BC Eri	2452997.9617	*3	+0.0124	2839	Rc	134	Nga	10L+CV-04
BL Eri	2452913.2564		-0.1894	11098	V	100	Mhh	20L+ST-7E
BQ Eri	2452996.9974		-0.0731	15276	Rc	122	Nga	10L+CV-04
BV Eri	2452965.0261	*1	-0.1013	18743.5	Rc	157	Nga	10L+CV-04
BV Eri	2452970.1036	*1	-0.1004	18753.5	Rc	121	Nga	10L+CV-04
BV Eri	2452980.0024		-0.1011	18773	Rc	137	Nga	10L+CV-04
AE For	2452901.1754	*1	-0.1239	4792.5	Ic		Kis	25SC+AP-7
AE For	2452929.1801		-0.1254	4823	Ic		Kis	25SC+AP-7
AE For	2452936.0674	*1	-0.1249	4830.5	Ic		Kis	25SC+AP-7
AE For	2452957.1865	*1	-0.1252	4853.5	V		Kis	25SC+AP-7
AE For	2452970.0410	*1	-0.1260	4867.5	Ic		Kis	25SC+AP-7
AE For	2452976.0097		-0.1260	4874	Ic		Kis	25SC+AP-7
AE For	2452987.0267		-0.1276	4886	V		Kis	25SC+AP-7
AE For	2452987.9466		-0.1259	4887	Ic		Kis	25SC+AP-7
GW Gem	2452912.2932		+0.0224	41348	V	62	Njh	25SC+CV-04
GW Gem	2452976.2574		+0.0205	41445	V	94	Njh	25SC+CV-04
GX Gem	2452675.9518	*1*5	-0.0515	84.5	V	124	Njh	25SC+CV-04
GX Gem	2452677.9686	*5	-0.0539	85	V	112	Njh	25SC+CV-04
GX Gem	2452679.9901	*1*5	-0.0585	85.5	V	138	Njh	25SC+CV-04
GX Gem	2452682.0095	*5	-0.0515	86	V	89	Njh	25SC+CV-04
SZ Her	2452897.975		-0.022	13487	v	15	Hsk	28SC
AK Her	2452853.0844		+0.0099	25305	V	81	Njh	25SC+CV-04
MT Her	2452769.2533	*1	+0.0144	23890.5	Ic	93	Mhh	20L+ST-7E
WY Hya	2452672.2221		+0.0207	16901	C	255	Kis	25SC+AP-7
WY Hya	2452977.2420		+0.0219	17327	Ic	199	Kis	25SC+AP-7
WY Hya	2452982.2537		+0.0215	17334	V	86	Njh	25SC+CV-04
AV Hya	2452735.0593	*1	-0.0709	23502.5	V	81	Njh	25SC+CV-04
DF Hya	2452313.1538		+0.1337	64050	Rc	278	Kis	25SC+AP-7
DF Hya	2452969.2486		-0.0081	66035	V	125	Njh	25SC+CV-04
DK Hya	2452585.1736	*1	-0.0797	41013.5	Ic	179	Kis	25SC+AP-7
EZ Hya	2452656.3027		-0.1112	22683	V	166	Njh	25SC+CV-04
EZ Hya	2452701.0559		-0.1084	22782.5	Rc	55	Nga	10L+CV-04
FG Hya	2452657.1851		-0.0630	23454	Rc	106	Nga	10L+CV-04
FG Hya	2452696.0303	*1	-0.0659	23572.5	Rc	43	Nga	10L+CV-04
GK Hya	2452654.2469		-0.1844	10506	V	99	Njh	25SC+CV-04
SW Lac	2452873.2964	*1	-0.0898	23690.5	V	72	Njh	25SC+CV-04
SW Lac	2452875.2211	*1	-0.0894	23696.5	B	169	Mhh	20L+ST-7E
VX Lac	2452909.985		+0.046	7121	v	14	Hsk	28SC
VX Lac	2452966.937		+0.050	7174	v	16	Hsk	28SC

star	min.		O-C	E		n	obs.	inst.
GH Lac	2452882.2455		-0.1755	51552	C	110	Njh	25SC+CV-04
GH Lac	2452884.1188	*1	-0.1665	51555.5	C	186	Njh	25SC+CV-04
GH Lac	2452901.9518		-0.1771	51589	C	229	Njh	25SC+CV-04
GH Lac	2452902.2274	*1	-0.1678	51589.5	C	229	Njh	25SC+CV-04
GH Lac	2452913.1350		-0.1795	51610	C	200	Njh	25SC+CV-04
GH Lac	2452941.8954		-0.1819	51664	C	181	Njh	25SC+CV-04
UV Leo	2452644.154		+0.021	23669	v	26	Kit	12B
UV Leo	2452671.156		+0.019	23714	v	42	Kit	10B
UV Leo	2452711.066	*1	+0.024	23780.5	v	43	Kit	10B
WY Leo	2452708.9591		+0.3947	4845	V	156	Njh	25SC+CV-04
XY Leo	2452707.0523	*1	-0.1277	26866.5	V	206	Njh	25SC+CV-04
XY Leo	2452707.1949		-0.1271	26867	V	206	Njh	25SC+CV-04
XZ Leo	2452664.2967		+0.0316	15662	V	87	Njh	25SC+CV-04
XZ Leo	2452983.2791		+0.0352	16316	V	85	Njh	25SC+CV-04
XZ Leo	2453001.3274		+0.0373	16353	Rc	79	Njh	25SC+CV-04
WY Leo	2452703.9682		+0.3896	4844	V	175	Njh	25SC+CV-04
AP Leo	2452677.043		-0.038	30534	v	33	Kit	12B
AP Leo	2452698.991		-0.038	30585	v	27	Kit	12B
AP Leo	2452711.042		-0.037	30613	v	49	Kit	12B
RS Lep	2452658.0917	*1	-0.0031	12779.5	V	173	Njh	25SC+CV-04
VZ Lib	2452761.0806		+0.0564	22253	Rc	88	Nga	10L+CV-04
VZ Lib	2452763.0500	*1	+0.0554	22258.5	Rc	118	Nga	10L+CV-04
SW Lyn	2452659.9805		+0.0396	13484	V	88	Njh	25SC+CV-04
UU Lyn	2452646.2977		-0.0054	17018	V	88	Njh	25SC+CV-04
UU Lyn	2452989.2103		-0.0056	17750	V	91	Njh	25SC+CV-04
AS Mon	2452646.0418		+0.6364	14116	Rc	121	Nga	10L+CV-04
BB Mon	2452994.2390		-0.0031	35912	Rc	71	Njh	25SC+CV-04
BM Mon	2452719.0483		+0.0301	20293	Ic	245	Kis	25SC+AP-7
BO Mon	2452711.0435		-0.0605	4136	V	394	Kis	25SC+AP-7
DD Mon	2452710.0590	*1	+0.1317	39415.5	Ic	228	Kis	25SC+AP-7
DD Mon	2452948.3417		+0.1335	39835	V	72	Njh	25SC+CV-04
DD Mon	2452952.3210		+0.1367	39842	V	54	Njh	25SC+CV-04
DD Mon	2452986.1187	*1	+0.1377	39901.5	V	87	Njh	25SC+CV-04
EP Mon	2453002.1647		+0.0371	17519	Rc	73	Nga	10L+CV-04
V753 Mon	2452664.0367		-0.0360	6150	Rc	121	Nga	10L+CV-04
V508 Oph	2452811.0565		-0.0021	22415	V	195	Njh	25SC+CV-04
V508 Oph	2452811.2296	*1	-0.0014	22415.5	V	195	Njh	25SC+CV-04
V839 Oph	2452816.1966		+0.1742	30239	V	61	Njh	25SC+CV-04
V839 Oph	2452862.0050		+0.1751	30351	Rc	61	Nga	10L+CV-04
ER Ori	2452642.015		+0.036	26017	v	65	Kit	12B
FZ Ori	2452642.1062	*1	+0.1366	21544.5	C	108	Mhh	20L+ST-7E
FZ Ori	2452988.0931	*1	+0.1351	22409.5	Ic	265	Kis	25SC+AP-7
FZ Ori	2452995.0914		+0.1336	22427	Rc	111	Nga	10L+CV-04
FZ Ori	2453001.0920		+0.1344	22442	Rc	151	Nga	10L+CV-04
FZ Ori	2453003.0925		+0.1350	22447	Rc	87	Nga	10L+CV-04
V1363 Ori	2452988.1425		+0.0794	10391	Rc	146	Nga	10L+CV-04
V1363 Ori	2452989.0143		+0.0874	10393	Rc	147	Nga	10L+CV-04
V1363 Ori	2452990.0946	*1	+0.0879	10395.5	Rc	142	Nga	10L+CV-04
BB Peg	2452913.9521		+0.0005	25310	V	70	Njh	25SC+CV-04
DI Peg	2452911.1395		-0.0190	10838	V	69	Njh	25SC+CV-04
RT Per	2452929.3046		+0.4070	8039	V	90	Njh	25SC+CV-04
XZ Per	2452966.940		-0.060	8214	v	16	Hsk	28SC
DM Per	2452913.2601		+0.0027	4030	V	85	Njh	25SC+CV-04
beta Per	2452654.9909		+0.0511	2446	C	345	Kis	50mm(F1.4)+SBIG ST-9XE
beta Per	2452935.999		+0.063	2544	v	14	Tcy	5B
beta Per	2452935.997		+0.061	2544	v	12	Nto	2B

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beta Per	2452976.113		+0.035	2558	v	18	Tcy	2B
beta Per	2452976.138		+0.060	2558	v	36	Kit	Naked-eye
beta Per	2452996.206		+0.057	2562	v	36	Kit	Naked-eye
beta Per	2452999.082		+0.066	2566	v	30	Kit	Naked-eye
beta Per	2453001.940		+0.056	2567	v	18	Ioh	2.8B
VZ Psc	2452854.2456	*1	+0.0049	34542.5	Rc	74	Nga	10L+CV-04
VZ Psc	2452900.0988		+0.0199	34718	Ic	264	Kis	25SC+AP-7
VZ Psc	2452905.0622		+0.0208	34737	Ic	227	Kis	25SC+AP-7
VZ Psc	2452913.0341	*1	+0.0265	34767.5	Ic	286	Kis	25SC+AP-7
VZ Psc	2452922.0422		+0.0236	34802	V	250	Kis	25SC+AP-7
VZ Psc	2452928.9696	*1	+0.0296	34828.5	V	220	Kis	25SC+AP-7
XZ Pup	2452712.0114		+0.0950	4698	Ic	521	Kis	25SC+AP-7
AV Pup	2452655.0563		+0.0184	38604	Rc	135	Nga	10L+CV-04
AY Pup	2452684.0775	*1	-0.0535	25660.5	Ic	369	Kis	25SC+AP-7
KX Pup	2452998.1643		-0.0415	5269	Ic	224	Kis	25SC+AP-7
RS Sct	2452874.9771		-0.0091	12703	Rc	37	Nga	10L+CV-04
AO Ser	2452757.1691		+0.0055	21179	C	105	Mhh	20L+ST-7E
AO Ser	2452757.1700		+0.0064	21179	V	95	Njh	25SC+CV-04
AS Ser	2452791.9959	*1	+0.0060	52493.5	Rc	48	Nga	10L+CV-04
AU Ser	2452782.0949		-0.0820	20853	V	76	Njh	25SC+CV-04
CC Ser	2452709.1879		-0.2411	29511	V	145	Njh	25SC+CV-04
Y Sex	2452698.0639		+0.0100	26039	Rc	86	Nga	10L+CV-04
CW Sge	2452748.2111		-0.0201	23089	V	70	Njh	25SC+CV-04
RW Tau	2452916.2188		-0.1838	2612	C	159	Njh	25SC+CV-04
RZ Tau	2452997.1321		+0.0427	36857	C	45	Kub	16L+BJ41L
AN Tau	2452657.0540		-0.6618	15159	V	169	Njh	25SC+CV-04
CF Tau	2452993.1522		-0.0780	8107	V	82	Njh	25SC+CV-04
CU Tau	2452644.0435		-0.0841	28322	V	88	Njh	25SC+CV-04
EQ Tau	2452647.9419		-0.0255	36428	V	210	Njh	25SC+CV-04
EQ Tau	2452648.1131	*1	-0.0250	36428.5	V	210	Njh	25SC+CV-04
GW Tau	2452915.2931		-0.0552	56157	V	73	Njh	25SC+CV-04
V781 Tau	2452645.9761		-0.0392	25430	V	257	Njh	25SC+CV-04
V781 Tau	2452646.1521	*1	-0.0357	25430	V	257	Njh	25SC+CV-04
V781 Tau	2452936.2188	*1	-0.0383	26271.5	V	122	Njh	25SC+CV-04
V781 Tau	2452937.2513	*1	-0.0405	26274.5	V	82	Njh	25SC+CV-04
V781 Tau	2452938.2862	*1	-0.0403	26277.5	V	98	Njh	25SC+CV-04
V781 Tau	2452939.1478		-0.0410	26280	V	183	Njh	25SC+CV-04
V781 Tau	2452943.2889		-0.0388	26292	V	61	Njh	25SC+CV-04
V781 Tau	2452948.1177		-0.0388	26306	V	58	Njh	25SC+CV-04
V781 Tau	2452961.2212		-0.0418	26344	V	204	Njh	25SC+CV-04
V781 Tau	2452966.2249	*1	-0.0393	26358.5	V	148	Njh	25SC+CV-04
V781 Tau	2452984.1594	*1	-0.0402	26410.5	V	164	Njh	25SC+CV-04
V781 Tau	2452988.9887	*1	-0.0396	26424.5	Rc	96	Njh	25SC+CV-04
V781 Tau	2452991.2278		-0.0424	26431	Rc	80	Njh	25SC+CV-04
V781 Tau	2452992.2626		-0.0423	26434	B	54	Njh	25SC+CV-04
V781 Tau	2452995.0233		-0.0409	26442	Rc	107	Njh	25SC+CV-04
V781 Tau	2452996.0572		-0.0417	26445	B	124	Njh	25SC+CV-04
V781 Tau	2452997.0935		-0.0402	26448	V	147	Njh	25SC+CV-04
V781 Tau	2452998.1268		-0.0416	26451	Rc	132	Njh	25SC+CV-04
V781 Tau	2453003.1281	*1	-0.0415	26465.5	Rc	92	Njh	25SC+CV-04
V781 Tau	2453001.9206		-0.0418	26462	B	123	Njh	25SC+CV-04
W UMa	2452756.0662		-0.0450	20952	V	119	Njh	25SC+CV-04
TY UMa	2452729.1497		+0.0171	37222	C	199	Mhh	20L+ST-7E
TY UMa	2453002.3302		+0.2029	37992	V	103	Njh	25SC+CV-04
TY UMa	2453005.3443	*1	+0.2037	38000.5	V	95	Njh	25SC+CV-04

star	min.		O-C	E		n	obs.	inst.
UX UMa	2452671.3061		+0.0016	77482	C	77	Mhh	20L+ST-7E
UX UMa	2452725.1944		+0.0020	77756	C	176	Mhh	20L+ST-7E
UY UMa	2452739.0087		+0.0804	66892	V	264	Njh	25SC+CV-04
UY UMa	2452739.1984	*1	+0.0812	66892.5	V	264	Njh	25SC+CV-04
VV UMa	2452764.0089		-0.0520	10109	V	60	Njh	25SC+CV-04
XY UMa	2452985.3053		+0.0210	37096	V	34	Njh	25SC+CV-04
XZ UMa	2452748.1072		-0.0674	5383	V	104	Njh	25SC+CV-04
AA UMa	2452688.0197	*1	+0.0251	25683.5	V	242	Njh	25SC+CV-04
AA UMa	2452688.2515		+0.0229	25684	V	242	Njh	25SC+CV-04
BM UMa	2452736.1243	*1	-0.0045	56734.5	C	191	Njh	25SC+CV-04
BM UMa	2452736.2578		-0.0066	56735	C	191	Njh	25SC+CV-04
KM UMa	2452707.9872	*1*6	+0.0037	4227.5	V	229	Njh	25SC+CV-04
KM UMa	2452708.1542	*6	-0.0052	4228	V	229	Njh	25SC+CV-04
VV Vir	2452757.0527		-0.0312	48272	C	135	Mhh	20L+ST-7E
AG Vir	2452783.0501		-0.0038	11438	V	81	Njh	25SC+CV-04
AW Vir	2452669.3465		+0.0134	21601	V	136	Njh	25SC+CV-04
AW Vir	2452764.0412	*1	+0.0139	21868.5	Rc	111	Mhh	20L+ST-7E
AW Vir	2452994.3166		+0.0143	22519	Rc	60	Njh	25SC+CV-04
AX Vir	2452670.3090		+0.0089	35728	V	95	Njh	25SC+CV-04
AX Vir	2452751.0978		+0.0072	35843	Rc	121	Nga	10L+CV-04
AX Vir	2452769.0131	*1	+0.0081	35868.5	Rc	123	Nga	10L+CV-04
AZ Vir	2452671.2954		-0.0172	24866	V	94	Njh	25SC+CV-04
BF Vir	2452726.2722		+0.0659	10390	V	128	Njh	25SC+CV-04
BH Vir	2452738.1459		-0.0318	11639	V	168	Njh	25SC+CV-04
CG Vir	2452763.0334		-0.2721	22674	V	70	Njh	25SC+CV-04
CX Vir	2452740.0869		+0.0047	35717	V	100	Njh	25SC+CV-04
LU Vir	2452707.1302		-0.0657	8546	Rc	78	Nga	10L+CV-04
MS Vir	2452758.0924		-0.0359	13628	Rc	66	Nga	10L+CV-04
CD Vul	2452862.1131	*1	-0.0020	9599.5	V	97	Mhh	20L+ST-7E
GP Vul	2452828.1919		-0.0513	17653	V	73	Njh	25SC+CV-04
MisV0665	2452875.9458	*D	+0.0008	-33	C	70	Njh	25SC+CV-04
MisV0665	2452893.9305	*D	-0.0006	-22	C	66	Njh	25SC+CV-04
MisV0665	2452911.9171	*D	-0.0001	-11	C	90	Njh	25SC+CV-04
MisV0665	2452929.9033	*D	+0.0000	0	C	53	Njh	25SC+CV-04
MisV1061	2452842.1796	*1*8	+0.0004	-9.5	V	71	Njh	25SC+CV-04
MisV1061	2452845.2220	*1*8	+0.0007	-8.5	V	174	Njh	25SC+CV-04
MisV1061	2452861.9584	*8	+0.0055	-3	V	88	Njh	25SC+CV-04
MisV1061	2452871.0792	*8	+0.0000	0	V	102	Njh	25SC+CV-04
MisV1095	2452888.2326	*1*E	+0.0025	-7.5	C	110	Njh	25SC+CV-04
MisV1095	2452889.0251	*E	+0.0035	-7	C	108	Njh	25SC+CV-04
MisV1095	2452896.1421	*1*E	-0.0026	-2.5	C	147	Njh	25SC+CV-04
MisV1095	2452900.1019	*E	+0.0000	0	C	45	Njh	25SC+CV-04
MisV1096	2452898.0894	*F	+0.0012	-70	C	95	Njh	25SC+CV-04
MisV1096	2452901.1422	*1*F	+0.0016	-63.5	C	148	Njh	25SC+CV-04
MisV1096	2452930.0293	*F	+0.0083	-2	C	71	Njh	25SC+CV-04
MisV1096	2452930.9602	*F	+0.0000	0	C	58	Njh	25SC+CV-04
MisV1097	2452911.0059	*G	+0.0014	-7	C	68	Njh	25SC+CV-04
MisV1097	2452912.1761	*1*G	-0.0004	-4.5	C	139	Njh	25SC+CV-04
MisV1097	2452914.0532	*1*G	+0.0015	-0.5	C	136	Njh	25SC+CV-04
MisV1097	2452914.2861	*G	+0.0000	0	C	136	Njh	25SC+CV-04
MisV1105	2452857.2195	*1*9	+0.0054	-26.5	C	149	Njh	25SC+CV-04
MisV1105	2452873.0459	*1*9	+0.0043	-1.5	C	103	Njh	25SC+CV-04
MisV1105	2452873.9913	*9	+0.0000	0	C	119	Njh	25SC+CV-04
MisV1140	2452884.2037	*1*B	-0.0001	-6.5	C	178	Njh	25SC+CV-04
MisV1140	2452901.9957	*1*B	+0.0004	-2.5	C	201	Njh	25SC+CV-04
MisV1140	2452913.1151	*B	0.0000	0.0	C	209	Njh	25SC+CV-04
MisV1140	2452942.0265	*1*B	+0.0001	+6.5	C	181	Njh	25SC+CV-04

star	min.		O-C	E	n	obs.	inst.
MisV1222	2452931.9440	*H	+0.0041	-12	C	72	Njh 25SC+CV-04
MisV1222	2452936.0199	*1*H	+0.0064	-2.5	C	147	Njh 25SC+CV-04
MisV1222	2452937.0855	*H	+0.0000	0	C	154	Njh 25SC+CV-04
MisV1222	2452939.0212	*1*H	+0.0061	4.5	C	154	Njh 25SC+CV-04
MisV1239	2452935.2038	*1*C	+0.0015	-24.5	C	161	Njh 25SC+CV-04
MisV1239	2452943.1885	*C	-0.0013	-16	C	336	Njh 25SC+CV-04
MisV1239	2452957.0355	*C	+0.0007	-3	C	164	Njh 25SC+CV-04
MisV1239	2452960.2298	*C	0.0000	0	C	83	Njh 25SC+CV-04

Remarks

- *1 secondary minimum
- *2 min I=2425647.3465+5.5808612E (FL 488 WR182)
- *3 min I=2451501.10674970+0.5272429E (IBVS 4937)
- *4 min I=2448273.5736+0.56936859E+0.0000000009063E² (IBVS 3942)
- *5 min I=2452334.75+4.0385E (IBVS 5357)
- *6 min I=2451220.4869+0.351862E (IBVS 4810)
- *7 min I=2452716.8204+0.3304E (vsnet-ecl 1056)
- *8 min I=2452871.0792+3.0421E (vsnet-newvar 2094)
- *9 min I=2452873.9913+0.6331E (vsnet-newvar 2095)
- *A min I=2445259.0560+0.7904596E (1986 MNRAS 218, 159)
- *B min I=2452913.1151+4.4479E (MISAO Project)
- *C min I=2452960.2298+1.065E (MISAO Project)
- *D min I=2452929.9033+1.6351E (MISAO Project)
- *E min I=2452900.1019+1.5829E (MISAO Project)
- *F min I=2452930.9602+0.4696E (MISAO Project)
- *G min I=2452914.2861+0.4688E (MISAO Project)
- *H min I=2452937.0855+0.4288E (MISAO Project)

Observers

Hsk Kenji Hirose
Ioh Hiroshi Itoh
Kis Seiichiro Kiyota
Kit Kiyotaka Kanai
Kub Katsuaki Kubotera
Mhh Hiroyuki Maehara
Nga Kazuo Nagai
Njh Kazuhiro Nakajima
Nto Ryosuke Naito
Tcy Yukiko Tsuchiyama
Ygh Hideyasu Yamaguchi

VSOLJ

c/o Keiichi Saijo National Science Museum, Ueno-Park, Tokyo Japan

Editor Seiichiro Kiyota
e-mail:skiyota@nias.affrc.go.jp
Publishing Masahiko Momose
