

# CATALOGUE OF MAIN CHARACTERISTICS OF INDIVIDUAL PULSATONAL CYCLES OF 18 LONG-PERIODIC STARS

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**ABSTRACT.** The characteristics of individual cycles of 35 Mira-type stars are tabulated: the moments and brightness of the extrema, the inverse slopes  $dt/dm$  of the light curves and corresponding error estimates. The observations for the analysis are taken from the AFOEV and VSOLJ databases for the stars: X Cam,  $\alpha$  Cet, R Cyg, U Cyg, R Dra, T Her, RS Her, T UMa, U UMi (Mira-type); S Aql, T Ari, V Boo, S Cam, V CVn, RS Cyg, RU Cyg, SS Vir (SRa-type); RX UMa (SRb-type).

**Key words:** Stars: Pulsating: Long-periodic: Mira type, semi-regular

Recent electronic publication of the patrol visual observations of the members of AFOEV <ftp://cdsarc.u-strasbg.fr/pub/afoev> and VSOLJ <http://kusaastro.kyoto-u.ac.jp> has allowed to make time series analysis of thousands of stars. For the analysis of individual cycles of pulsations we have used up to 35 characteristics (part of them are related), as described in papers with results on individual stars (Marsakova and Andronov, 1997; Andronov and Marsakova, 1998).

This catalogue continues our previous "Catalogue of main characteristics of individual pulsational cycles of 35 Mira-type stars" (Marsakova and Andronov, 1998). It contains results on 9 Mira-type stars and 9 semi-regular variables, 8 of the SRa-type, and one of the SRb-type.

In addition to "classical" characteristics such as moments and brightness of the maxima ( $T_{max}$ ,  $m_{max}$ ) and minima ( $T_{min}$ ,  $m_{min}$ ), we

present another important characteristics, i.e. the inverse slopes  $(dt/dm)_a$  and  $(dt/dm)_d$  of the ascending (a) and descending (d) branches of the light curves and corresponding error estimates. The basic point is suggested to be the current maximum. The minima listed precede the maxima. If no parameter may be determined in a given cycle, the corresponding values are marked with a minus sign.

To determine parameters of the extrema, we have used the method "R" of running parabolae with an optimal value of the filter half-width  $\Delta t$  (Andronov, 1997) or the method "A" of asymptotic parabolae (Marsakova and Andronov, 1996).

Our papers on the study of Mira-type stars based on the present catalogue are listed at the WEB pages <http://ila.webjump.com> and partially posted at <http://oap.webjump.com>.

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## o Cet

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
14375.07	2.18	2.76	0.10	—	—	—	—	—	—	—	—
14919.69	0.46	3.87	0.05	—	—	—	—	—	—	—	—
17561.33	0.85	2.21	0.07	—	—	—	—	—	—	—	—
17887.06	1.19	3.35	0.09	—	—	—	—	—	—	21.58	0.98
18232.97	1.12	3.42	0.07	—	—	—	—	-10.73	0.41	21.34	0.54
18563.17	2.32	3.07	0.10	—	—	—	—	—	—	20.08	0.67
—	—	—	—	19070.58	4.37	8.79	0.18	—	—	—	—
20856.01	0.42	2.92	0.08	—	—	—	—	—	—	—	—
21193.86	6.07	3.65	0.08	—	—	—	—	—	—	—	—
—	—	—	—	23048.17	14.48	9.38	0.19	—	—	—	—
23479.70	0.86	2.64	0.11	23353.47	1.29	8.71	0.07	—	—	—	—
23831.86	1.08	4.62	0.07	23708.84	1.36	9.38	0.08	—	—	—	—
24166.90	1.11	3.58	0.07	24053.44	0.65	9.53	0.07	-7.19	0.20	12.15	1.38
24491.70	0.71	3.23	0.13	24382.36	1.28	9.13	0.06	-7.15	0.50	22.60	0.44
24806.72	0.21	3.12	0.02	—	—	—	—	-6.21	0.33	29.71	0.13
25158.11	0.63	4.12	0.04	—	—	—	—	-10.72	0.48	26.37	0.19
25491.14	0.34	2.85	0.02	—	—	—	—	-10.68	1.02	16.40	0.58
25812.00	0.88	4.50	0.35	—	—	—	—	—	—	34.97	0.95
26166.62	2.21	3.61	0.06	25997.58	0.58	9.26	0.03	—	—	19.17	0.22
—	—	—	—	26351.78	2.59	8.91	0.06	—	—	—	—
—	—	—	—	26665.07	1.44	9.30	0.08	—	—	—	—
27138.87	2.14	4.12	0.08	27042.40	0.41	9.51	0.08	-7.82	0.47	—	—
27476.05	1.25	3.96	0.04	27400.44	0.28	8.90	0.06	-9.11	0.13	—	—
27799.30	0.03	2.59	0.01	27695.23	0.20	9.15	0.04	-11.00	0.03	25.34	0.75
28138.05	0.20	4.52	0.03	28057.76	0.22	9.33	0.07	-7.15	0.16	31.68	1.36
28489.64	0.13	2.65	0.01	28389.34	0.15	9.00	0.08	-7.45	0.09	19.97	0.08
28840.63	0.35	4.74	0.02	—	—	—	—	-9.40	0.77	22.63	0.20
29165.75	0.41	4.17	0.03	—	—	—	—	-12.32	1.51	25.36	0.37
29488.99	1.01	2.90	0.04	—	—	—	—	—	—	22.38	0.47
—	—	—	—	30714.42	0.64	8.93	0.05	—	—	—	—
—	—	—	—	31067.25	0.99	9.23	0.09	—	—	—	—
31487.31	0.52	2.80	0.02	—	—	—	—	-6.14	0.86	—	—
31809.39	0.21	3.99	0.05	—	—	—	—	-9.14	0.36	—	—
32169.16	1.80	4.12	0.09	—	—	—	—	—	—	20.83	0.78
32478.69	0.48	2.95	0.04	—	—	—	—	-8.70	0.13	19.20	0.28
32825.30	0.94	3.67	0.07	—	—	—	—	-10.14	0.58	25.74	0.39
33159.91	0.73	2.82	0.28	—	—	—	—	-10.97	1.30	21.33	0.26
—	—	—	—	34025.88	1.57	9.24	0.08	—	—	—	—
—	—	—	—	34368.87	3.82	9.02	0.06	—	—	—	—
—	—	—	—	34721.05	0.53	8.99	0.09	—	—	—	—
35140.59	0.77	3.80	0.06	35058.70	0.83	8.74	0.05	-8.65	0.24	—	—
35487.30	1.03	3.55	0.14	—	—	—	—	-9.34	0.19	—	—
35807.20	1.14	4.06	0.07	—	—	—	—	—	—	—	—
36158.62	1.14	4.01	0.05	—	—	—	—	-8.37	0.48	21.96	1.22
36482.56	0.96	3.18	0.32	—	—	—	—	—	—	17.31	0.44
—	—	—	—	37989.80	1.57	8.98	0.06	—	—	—	—
—	—	—	—	38332.52	1.46	8.83	0.07	—	—	—	—
39129.82	0.78	3.11	0.06	—	—	—	—	-7.85	0.30	—	—
39465.65	0.51	3.55	0.03	—	—	—	—	-7.52	0.15	23.81	0.43
39819.46	1.14	3.56	0.04	—	—	—	—	-15.15	0.33	20.48	0.17
40137.26	1.19	3.83	0.08	—	—	—	—	-7.76	0.73	21.66	0.26
40472.38	1.53	2.84	0.10	—	—	—	—	—	—	21.76	0.10
40823.42	3.53	3.82	0.15	—	—	—	—	—	—	22.00	0.36
—	—	—	—	41362.39	1.48	9.02	0.03	—	—	—	—
—	—	—	—	41683.12	1.92	8.98	0.04	—	—	—	—
—	—	—	—	42028.73	1.43	8.82	0.08	—	—	—	—

## o Cet (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
42475.80	0.50	3.11	0.03	42382.45	0.34	8.92	0.03	-7.42	0.09	—	—
42823.22	0.42	4.80	0.02	42722.92	0.42	9.67	0.04	-7.99	0.07	—	—
43168.67	0.59	3.28	0.03	43081.58	0.12	8.64	0.04	-5.37	0.08	—	—
43496.66	0.83	2.78	0.07	—	—	—	—	-8.88	0.10	20.56	0.56
43844.35	0.56	4.67	0.03	43736.10	2.34	9.31	0.05	-11.23	0.13	18.66	0.37
44181.98	0.47	3.65	0.03	—	—	—	—	-6.97	0.17	23.64	0.14
44515.71	0.56	3.55	0.04	—	—	—	—	-8.70	0.49	26.40	0.08
44852.04	1.33	3.94	0.08	—	—	—	—	—	—	26.57	0.19
45186.62	0.50	2.82	0.04	—	—	—	—	—	—	24.15	0.07
—	—	—	—	45727.85	2.61	9.18	0.03	—	—	—	—
—	—	—	—	46051.17	0.44	9.04	0.03	—	—	—	—
—	—	—	—	46386.16	0.35	9.17	0.03	—	—	—	—
46833.22	0.60	2.86	0.05	46716.61	0.77	9.08	0.03	-6.69	0.12	—	—
47175.63	0.85	4.07	0.04	47097.49	0.17	9.26	0.03	-8.16	0.06	—	—
47508.65	0.19	3.49	0.02	—	—	—	—	-8.33	0.09	21.11	0.37
47817.37	0.15	2.65	0.02	—	—	—	—	-6.97	0.05	27.95	0.04
48180.48	0.26	3.67	0.02	48057.28	0.22	9.63	0.09	-5.98	0.14	21.00	0.09
48501.22	1.81	3.77	0.07	—	—	—	—	—	—	29.05	0.12
—	—	—	—	49370.47	1.26	9.01	0.02	—	—	—	—
—	—	—	—	49703.54	0.42	9.19	0.03	—	—	—	—
50154.64	0.41	3.58	0.07	50053.05	0.28	9.45	0.04	-8.28	0.07	—	—
50492.72	0.28	2.39	0.01	50380.86	0.35	8.67	0.03	-9.65	0.05	—	—
50820.34	0.32	3.73	0.02	50712.74	0.68	9.43	0.03	-6.36	0.08	—	—
51154.57	0.19	4.67	0.03	51044.79	0.67	9.73	0.04	-7.37	0.07	—	—
51488.73	0.12	3.18	0.01	—	—	—	—	-6.76	0.04	—	—

## T Her

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
22871.67	4.18	8.69	0.16	—	—	—	—	—	—	—	—
23196.26	0.76	8.27	0.06	—	—	—	—	—	—	13.07	0.21
23361.06	0.96	8.08	0.08	23278.91	0.54	12.29	0.09	-6.81	0.44	—	—
—	—	—	—	23611.01	0.18	13.41	0.23	—	—	—	—
24018.00	3.56	7.92	0.20	23939.39	0.22	12.48	0.13	—	—	10.99	0.16
24355.21	0.56	8.51	0.05	—	—	—	—	—	—	15.21	0.15
24523.28	2.51	7.64	0.17	—	—	—	—	—	—	—	—
24679.33	0.66	7.75	0.27	24612.09	0.57	13.14	0.15	-6.71	0.33	18.71	0.41
24842.80	0.92	7.33	0.49	24776.83	0.79	11.80	0.13	-6.74	1.02	15.69	0.87
25012.05	2.15	8.24	0.16	—	—	—	—	—	—	10.15	0.54
25185.56	0.56	8.53	0.04	25100.86	2.06	13.86	0.23	-8.31	0.16	—	—
25344.40	0.79	7.79	0.09	25260.29	0.23	13.66	0.18	-11.89	0.14	11.23	0.22
25505.00	0.55	7.67	0.05	25426.29	1.90	12.70	0.23	-11.47	0.06	13.09	0.05
25682.69	0.48	8.15	0.05	25602.00	0.95	13.65	0.13	-9.44	0.22	8.28	0.14
25850.13	1.07	8.16	0.07	25764.29	2.36	13.29	0.16	-8.63	0.28	11.19	0.07
26008.87	2.57	7.46	0.17	25925.48	0.81	12.95	0.10	-10.43	0.09	—	—
26178.56	1.85	8.35	0.10	26092.52	2.72	13.27	0.29	-11.64	0.13	9.22	0.12
—	—	—	—	26260.02	3.63	13.48	0.26	—	—	—	—

## T Her (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
26507.60	1.90	7.86	0.11	—	—	—	—	-11.95	0.11	10.05	0.12
26882.59	0.99	8.36	0.08	—	—	—	—	—	—	—	—
26838.19	1.73	7.85	0.13	—	—	—	—	—	—	11.40	0.21
27002.12	0.66	7.95	0.04	26922.22	1.08	12.92	0.11	-8.89	0.14	—	—
27189.03	0.10	8.41	0.08	—	—	—	—	—	—	8.27	0.21
27336.52	1.24	8.17	0.08	—	—	—	—	-10.03	0.12	11.46	0.17
27667.60	1.34	8.39	0.11	—	—	—	—	-10.85	0.27	13.21	0.11
27993.23	0.86	7.92	0.07	—	—	—	—	-10.92	0.10	11.41	0.14
—	—	—	—	28077.93	1.13	13.12	0.13	—	—	—	—
28324.31	1.14	8.00	0.08	—	—	—	—	-7.28	0.14	14.53	0.59
28487.97	0.53	7.44	0.06	28407.51	2.64	12.48	0.17	-9.23	0.14	—	—
28652.10	1.90	8.09	0.17	—	—	—	—	—	—	9.35	0.10
28832.91	2.49	8.68	0.11	28742.15	2.49	13.49	0.15	-10.98	0.24	10.90	0.44
28986.82	6.40	8.28	0.20	—	—	—	—	—	—	17.55	0.40
29152.85	2.70	7.82	0.17	29077.71	0.66	12.33	0.10	-10.83	0.38	11.29	0.15
29320.89	12.95	8.79	0.54	—	—	—	—	—	—	—	—
29490.80	0.88	8.30	0.09	—	—	—	—	-8.59	0.18	16.34	0.44
—	—	—	—	29566.89	1.45	12.18	0.21	—	—	—	—
29818.85	3.45	8.48	0.21	—	—	—	—	—	—	—	—
30311.46	1.53	8.14	0.55	—	—	—	—	—	—	—	—
30647.23	4.96	8.63	0.28	—	—	—	—	—	—	—	—
30811.80	0.80	8.45	0.22	—	—	—	—	—	—	—	—
30971.01	1.52	7.79	0.14	30890.43	7.61	12.66	0.22	-10.45	0.27	—	—
31298.92	1.02	8.08	0.92	—	—	—	—	-9.69	1.12	13.61	0.29
32784.80	1.83	7.90	0.16	—	—	—	—	-11.47	0.19	—	—
33111.74	5.03	7.51	0.22	—	—	—	—	—	—	—	—
33431.84	0.39	7.23	0.06	—	—	—	—	—	—	—	—
33597.97	0.47	8.09	0.10	—	—	—	—	—	—	—	—
33769.37	3.78	8.09	0.15	33696.04	0.73	12.92	0.17	—	—	—	—
35739.61	0.57	8.10	0.04	—	—	—	—	—	—	—	—
36068.65	0.87	7.29	0.23	—	—	—	—	—	—	—	—
36405.35	2.19	7.67	0.16	—	—	—	—	—	—	9.56	0.24
36739.23	0.72	7.48	0.09	—	—	—	—	—	—	—	—
37065.90	1.58	7.88	0.09	—	—	—	—	—	—	10.52	0.28
37241.72	1.76	8.87	0.16	37163.12	3.63	13.03	0.18	-12.08	0.37	—	—
37403.87	5.57	8.68	0.38	—	—	—	—	—	—	—	—
37554.64	1.49	7.47	0.10	37487.61	1.79	11.99	0.23	-8.29	0.29	—	—
37731.19	0.62	7.21	0.34	—	—	—	—	—	—	12.86	0.27
37891.72	2.64	7.50	0.24	37801.39	0.24	12.63	0.19	—	—	11.01	0.56
38063.66	4.55	9.26	0.23	—	—	—	—	—	—	—	—
—	—	—	—	38304.65	4.83	12.69	0.33	—	—	—	—
38546.79	6.07	7.52	0.26	—	—	—	—	—	—	—	—
—	—	—	—	38967.46	0.52	12.65	0.08	—	—	—	—
39370.52	0.75	7.64	0.14	—	—	—	—	—	—	20.96	0.53
39711.92	0.58	7.85	0.08	39633.61	1.45	13.35	0.15	-8.95	0.08	10.89	0.18
39883.06	2.54	8.19	0.20	39795.96	2.00	12.88	0.13	—	—	12.04	0.22
40047.32	0.38	8.33	0.04	39968.15	0.35	13.16	0.09	—	—	11.41	0.12
40207.97	1.18	7.52	0.09	40126.57	1.13	12.77	0.11	-9.51	0.10	10.41	0.28
40367.48	0.98	7.86	0.07	40295.08	1.18	12.92	0.17	-8.70	0.10	15.54	0.10
40532.13	0.65	7.03	0.07	40451.18	1.33	11.85	0.10	-11.68	0.06	10.19	0.09
40704.71	1.51	8.87	0.12	40628.40	0.69	13.34	0.13	-7.38	0.34	10.60	0.17
40868.88	2.10	8.39	0.10	40779.74	1.70	13.56	0.16	-10.06	0.16	13.12	0.21
41030.39	1.25	8.03	0.10	—	—	—	—	-7.39	0.52	15.99	0.12
41188.98	0.99	7.82	0.06	41117.42	0.92	11.99	0.10	-9.94	0.06	13.31	0.10
41353.04	0.72	7.62	0.10	41277.53	4.17	12.50	0.28	—	—	11.78	0.19
41522.94	2.19	8.37	0.10	41442.60	0.77	12.41	0.11	-7.43	0.21	11.27	0.10
41684.73	0.87	7.84	0.13	41603.14	0.53	12.78	0.10	-10.65	0.15	14.66	1.02
41844.15	2.23	8.02	0.10	41768.88	2.12	12.74	0.37	-10.51	0.07	12.09	0.07

## T Her (continuation)

Max				Min				asc. branch		desc. branch	
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>dt/dm</i>	$\sigma_{(dt/dm)}$	<i>dt/dm</i>	$\sigma_{(dt/dm)}$
42004.57	3.02	7.65	0.16	41921.10	0.66	12.30	0.10	-10.85	0.14	11.23	0.16
42172.87	0.41	8.73	0.03	42093.50	0.96	12.94	0.13	-9.69	0.20	10.38	0.10
42336.59	1.56	8.61	0.09	42257.15	0.82	13.63	0.12	-8.91	0.09	12.25	0.22
42493.73	1.32	7.29	0.11	—	—	—	—	—	—	10.39	0.04
42661.23	1.66	8.68	0.08	42580.83	1.05	13.49	0.10	-9.06	0.08	11.01	0.06
42821.91	3.56	7.89	0.21	42739.08	1.80	13.06	0.17	-10.48	0.09	8.85	0.17
42989.70	1.28	8.17	0.07	42909.78	1.21	13.32	0.12	-9.23	0.04	9.63	0.04
43157.40	1.08	7.79	0.14	43064.71	1.16	12.75	0.11	-12.72	0.25	9.02	0.12
43320.37	1.20	7.92	0.07	43237.89	1.99	13.55	0.17	-8.97	0.04	11.06	0.06
43487.61	2.31	7.71	0.11	43407.44	0.67	13.34	0.11	-8.28	0.06	12.06	0.28
43646.55	0.52	7.88	0.07	43573.68	1.99	12.90	0.19	-10.06	0.21	16.46	0.06
43816.34	1.28	7.19	0.08	43740.78	0.38	12.60	0.08	-10.37	0.05	10.41	0.10
43990.19	1.18	8.80	0.12	43908.64	2.49	13.44	0.18	-11.48	0.21	11.06	0.12
44150.21	1.05	8.25	0.07	44065.23	1.90	13.57	0.16	-10.45	0.06	10.28	0.09
44316.83	4.53	7.96	0.22	—	—	—	—	-10.35	0.15	12.56	0.10
44485.18	0.30	8.27	0.03	44402.72	0.49	12.73	0.08	-8.87	0.11	10.80	0.05
44645.49	2.04	7.80	0.15	44564.92	1.58	12.99	0.17	-11.32	0.21	13.39	0.18
44811.17	1.10	7.45	0.08	44728.13	0.96	12.45	0.12	-10.67	0.08	9.61	0.03
44981.46	2.25	8.30	0.17	44902.14	1.73	13.54	0.13	-9.25	0.18	9.29	0.23
45145.62	1.14	7.88	0.07	45061.13	0.37	13.28	0.06	-9.95	0.05	11.16	0.03
45308.75	0.51	7.85	0.04	45233.95	1.53	13.10	0.15	-7.56	0.06	11.50	0.21
45475.14	1.19	7.66	0.07	45399.51	0.60	13.02	0.11	-7.62	0.13	8.87	0.11
45633.85	1.07	7.33	0.07	45558.64	1.73	12.81	0.13	-9.79	0.04	11.18	0.13
45802.60	0.46	8.12	0.04	45721.36	0.30	13.62	0.19	-9.82	0.18	8.89	0.08
45968.43	0.58	7.82	0.05	45887.85	0.33	13.32	0.05	-8.71	0.05	12.24	0.06
46130.90	1.51	7.43	0.16	46048.85	0.93	12.77	0.31	-13.39	0.23	10.88	0.08
46300.05	0.87	8.64	0.07	46221.70	0.58	13.64	0.10	-10.81	0.07	9.62	0.05
46461.54	1.66	7.18	0.30	46377.49	0.72	13.34	0.09	—	—	—	—
46631.32	0.32	8.82	0.03	46551.32	0.38	13.61	0.05	-9.89	0.06	7.86	0.13
46786.36	2.54	8.32	0.18	46708.81	0.61	13.30	0.06	-8.92	0.12	11.83	0.29
46959.97	1.29	8.20	0.05	46884.78	0.52	13.31	0.12	-8.70	0.04	12.25	0.04
47122.20	0.33	7.66	0.03	47045.87	0.63	13.24	0.10	-8.31	0.05	12.34	0.17
47288.28	1.48	8.05	0.08	47210.37	3.43	12.78	0.41	—	—	11.13	0.05
47456.37	0.34	7.56	0.02	47367.72	1.65	12.75	0.11	-11.21	0.04	11.02	0.09
47630.10	0.42	8.54	0.04	47542.78	1.37	13.60	0.18	-12.92	0.12	11.02	0.05
47784.62	0.79	7.85	0.05	47704.96	1.28	13.33	0.10	-9.36	0.04	13.38	0.05
47949.93	0.46	7.74	0.04	47870.43	0.30	12.92	0.06	-7.97	0.17	9.31	0.04
48113.67	1.07	8.26	0.07	48035.93	2.60	13.06	0.15	-8.86	0.05	10.04	0.05
48276.23	4.50	7.95	0.29	48191.45	2.37	13.09	0.15	-10.31	0.25	9.77	0.33
48441.39	0.76	7.98	0.05	48359.14	1.77	13.47	0.17	-8.89	0.08	10.21	0.03
48610.29	2.13	8.40	0.15	48522.37	1.36	13.28	0.11	-11.74	0.10	—	—
48761.09	0.74	7.47	0.05	—	—	—	—	—	—	13.36	0.04
48923.93	0.85	7.62	0.06	48855.65	1.03	12.61	0.10	-8.43	0.11	15.58	0.60
49092.38	0.39	7.52	0.03	—	—	—	—	-7.61	0.17	9.60	0.02
49263.40	1.56	8.40	0.08	49181.97	1.66	13.40	0.12	-8.32	0.05	8.97	0.07
49435.57	1.13	8.13	0.10	—	—	—	—	—	—	9.86	0.07
—	—	—	—	49511.36	0.24	13.39	0.06	—	—	—	—
49750.05	0.37	7.80	0.04	49673.57	0.31	13.22	0.08	-6.99	0.22	10.06	0.08
49914.97	0.50	7.65	0.04	49834.75	0.97	12.98	0.10	-11.35	0.02	9.59	0.03
50082.74	1.53	8.06	0.09	50001.16	0.36	13.12	0.05	-10.09	0.11	11.49	0.15
50244.66	0.86	7.84	0.06	50164.46	1.47	13.24	0.15	-9.38	0.05	10.12	0.04
50403.91	1.54	7.23	0.10	50323.28	1.17	12.66	0.11	-10.16	0.03	8.46	0.14
50571.19	1.97	8.73	0.12	50488.29	1.66	13.37	0.19	—	—	9.76	0.05
50734.42	0.25	8.35	0.02	50650.56	1.78	13.65	0.11	-8.80	0.03	10.08	0.10
50896.62	1.67	8.07	0.09	—	—	—	—	-10.87	0.12	11.20	0.06
51058.89	0.54	7.73	0.04	50982.18	1.50	13.00	0.10	-8.25	0.02	10.23	0.08
51226.53	1.31	8.07	0.08	51148.14	3.50	13.28	0.27	-9.49	0.11	11.75	0.08
51390.83	0.43	7.55	0.04	51306.44	0.24	12.85	0.04	-8.80	0.05	9.00	0.03

## X Cam

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
23233.10	1.40	8.11	0.05	—	—	—	—	-12.02	0.21	13.00	0.14
23375.00	2.10	8.18	0.05	23306.90	1.90	12.18	0.11	-10.23	0.18	12.00	0.29
23520.80	3.30	8.51	0.07	23450.50	1.80	12.76	0.13	-10.20	0.25	11.42	0.18
23660.30	3.80	8.05	0.08	23592.20	3.00	12.48	0.16	-9.19	0.27	9.78	0.37
23805.20	6.50	8.20	0.07	23728.10	2.70	12.33	0.07	—	—	9.96	0.27
23950.90	1.40	8.27	0.05	23880.80	2.40	12.73	0.12	-10.65	0.60	13.82	0.07
24094.90	1.80	8.11	0.05	24027.20	1.60	12.30	0.09	-11.32	0.14	12.78	0.15
24244.00	6.10	8.08	0.05	24168.20	1.10	11.92	0.05	-12.64	0.15	11.24	0.97
24398.00	1.70	8.38	0.05	24326.80	5.80	12.35	0.13	-8.46	0.39	8.80	0.15
24536.50	2.90	8.11	0.05	24459.50	2.00	12.52	0.09	-10.79	0.29	11.17	0.13
24678.30	1.80	7.75	0.08	24611.80	1.60	12.50	0.08	-7.98	0.23	9.27	0.19
24828.20	3.30	9.13	0.07	24754.10	2.00	12.48	0.05	-13.73	0.19	11.85	0.22
24964.10	1.20	7.80	0.04	24889.60	1.00	12.51	0.07	-10.67	0.09	7.92	0.16
25114.50	1.80	9.62	0.06	25040.30	6.20	12.68	0.12	-15.07	0.84	11.52	0.54
25246.70	1.60	8.32	0.06	25181.50	2.90	12.86	0.09	-9.39	0.24	12.48	0.08
25394.50	1.60	8.11	0.06	25325.70	1.10	12.69	0.04	-9.34	0.08	10.95	0.16
25539.00	1.00	7.58	0.04	25463.50	2.00	12.42	0.09	-11.33	0.11	6.88	0.06
25693.50	1.70	8.79	0.05	25614.90	2.10	13.27	0.08	-7.14	0.50	9.40	0.43
25822.30	1.50	7.74	0.04	25751.60	3.30	12.92	0.15	-9.94	0.10	9.97	0.09
25968.40	2.20	7.82	0.08	25900.20	2.00	13.01	0.06	-6.98	0.37	11.04	0.25
26120.10	2.40	8.39	0.13	26046.20	3.60	13.19	0.11	-10.48	0.60	13.92	0.57
26252.70	2.50	8.30	0.04	26181.30	3.50	12.07	0.13	-12.47	0.26	14.53	0.16
26404.90	3.40	8.80	0.10	—	—	—	—	—	—	—	—
26533.50	3.00	7.55	0.12	—	—	—	—	—	—	—	—
26698.00	3.40	7.92	0.09	—	—	—	—	—	—	—	—
—	—	—	—	26763.90	3.60	13.08	0.20	—	—	—	—
26978.80	5.50	7.84	0.11	—	—	—	—	—	—	—	—
27123.40	2.70	7.84	0.06	27056.20	2.60	11.98	0.10	-9.13	0.12	10.18	0.10
27275.80	2.90	8.02	0.06	27196.50	2.30	12.13	0.07	-8.53	0.21	—	—
27412.80	2.60	7.92	0.06	27340.80	1.80	12.73	0.14	-9.74	0.18	9.53	0.25
27553.20	1.90	8.29	0.07	27483.80	2.00	12.70	0.09	-9.44	0.16	—	—
27697.30	3.00	7.73	0.05	—	—	—	—	—	—	—	—
27839.30	2.70	9.41	0.09	27770.00	3.00	13.16	0.11	—	—	—	—
27985.20	1.70	8.18	0.04	27912.00	2.80	12.92	0.07	—	—	—	—
28139.60	4.40	9.01	0.11	—	—	—	—	—	—	—	—
28277.10	4.10	8.15	0.08	—	—	—	—	—	—	—	—
28421.40	1.10	8.26	0.03	—	—	—	—	-13.35	0.44	7.20	0.17
28561.20	2.00	7.72	0.04	28481.30	1.90	12.23	0.11	-12.66	0.51	9.70	0.15
28705.60	2.10	8.18	0.07	28637.60	1.80	12.88	0.06	-10.40	0.07	—	—
28856.40	2.10	8.25	0.06	—	—	—	—	—	—	—	—
28989.90	1.20	7.80	0.04	28923.50	1.60	12.29	0.05	-7.14	0.15	10.57	0.20
—	—	—	—	29057.80	3.50	11.25	0.05	—	—	—	—
29282.80	1.90	8.36	0.06	29198.70	3.60	11.75	0.09	-17.73	0.28	7.59	0.18
—	—	—	—	29349.60	2.60	13.07	0.16	—	—	—	—
29715.40	2.70	7.64	0.10	—	—	—	—	—	—	—	—
30289.30	1.80	7.93	0.08	—	—	—	—	—	—	—	—
30729.60	4.90	7.62	0.11	—	—	—	—	—	—	—	—
30873.20	1.80	7.88	0.05	—	—	—	—	—	—	—	—
31174.80	10.80	8.15	0.15	31089.50	5.10	12.33	0.15	—	—	—	—
32614.50	7.10	8.39	0.16	—	—	—	—	—	—	—	—
34755.70	1.40	7.78	0.14	—	—	—	—	—	—	—	—
34904.80	5.40	7.82	0.12	34842.50	1.90	11.93	0.09	-9.46	0.14	9.55	0.26
35060.20	2.70	8.63	0.16	34981.40	2.50	11.68	0.05	—	—	—	—
39210.60	2.40	7.96	0.07	—	—	—	—	—	—	9.70	0.21
39349.40	1.20	8.01	0.04	39283.70	2.90	12.45	0.13	-8.64	0.10	12.16	0.10

## X Cam (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
39494.70	2.80	8.11	0.05	39424.40	1.70	12.39	0.08	-10.97	0.10	8.66	0.08
39649.20	3.30	9.03	0.06	39574.40	1.60	13.64	0.11	-8.66	0.14	12.51	0.15
39785.50	2.10	7.84	0.06	39720.40	2.80	12.41	0.08	-8.46	0.10	10.70	0.18
39926.70	1.90	8.29	0.05	39862.40	5.90	11.91	0.12	-9.55	0.23	11.92	0.20
40072.00	2.10	7.91	0.04	39999.30	1.30	12.41	0.12	-10.02	0.12	9.39	0.13
40212.10	2.90	7.98	0.07	40148.00	1.70	12.65	0.07	-6.91	0.16	12.22	0.14
40358.30	2.60	7.94	0.08	40288.60	1.20	12.57	0.08	-8.51	0.11	9.40	0.12
40494.00	2.80	8.05	0.04	40431.30	1.50	12.42	0.06	-7.55	0.07	13.90	0.09
40648.10	2.10	7.91	0.09	40581.60	3.10	12.37	0.10	-9.25	0.18	8.86	0.20
40792.50	3.10	8.55	0.05	40715.70	1.90	12.77	0.12	-11.68	0.12	9.21	0.10
40933.70	3.20	7.97	0.08	40863.70	1.80	12.91	0.08	-8.65	0.10	11.20	0.20
41085.80	1.30	8.26	0.05	41010.50	0.80	12.70	0.11	-10.87	0.13	12.26	0.15
41226.50	1.70	7.80	0.05	41163.50	1.40	12.78	0.08	-6.67	0.03	11.01	0.09
41378.40	2.40	7.93	0.06	41298.60	2.60	11.95	0.10	-14.68	0.35	9.88	0.09
41517.50	2.60	8.25	0.05	41449.80	2.70	12.64	0.14	—	—	12.88	0.12
41655.50	2.10	8.19	0.07	41591.40	2.00	12.42	0.08	-11.10	0.13	14.64	0.20
41801.50	1.50	7.88	0.05	41732.20	1.80	12.40	0.07	-9.52	0.06	8.93	0.08
41959.90	1.60	9.13	0.05	41885.60	4.40	13.22	0.14	-13.18	0.14	11.55	0.15
42088.50	1.50	7.80	0.05	42019.50	2.40	12.91	0.12	-9.10	0.09	9.04	0.05
42240.70	1.80	8.19	0.06	42163.10	1.10	13.33	0.06	-10.06	0.19	10.15	0.09
42380.60	1.90	8.40	0.06	42313.40	1.60	13.34	0.08	-8.01	0.09	13.59	0.20
42520.20	3.10	7.77	0.07	42451.10	1.30	12.03	0.07	-9.95	0.06	12.59	0.21
42663.60	1.50	8.10	0.04	42597.80	0.90	12.92	0.16	-5.68	0.25	11.21	0.12
42802.60	2.20	8.13	0.05	42735.10	2.00	12.47	0.06	-9.46	0.09	14.46	0.07
42953.70	2.20	8.02	0.05	42886.20	0.90	12.03	0.06	-9.59	0.19	10.26	0.09
43092.60	3.40	8.57	0.09	43025.70	2.50	12.65	0.06	-9.83	0.22	21.99	0.41
43239.20	4.00	8.07	0.06	43168.80	1.20	11.43	0.08	-13.27	0.17	11.46	0.61
43386.60	3.40	9.41	0.06	43310.20	2.00	12.43	0.12	—	—	8.96	0.17
43525.90	1.90	8.40	0.06	43443.80	3.50	13.12	0.18	-13.19	0.20	12.28	0.16
43664.90	2.70	8.62	0.05	43598.50	1.60	13.30	0.13	-8.34	0.12	14.89	0.41
43803.00	1.60	7.68	0.04	43737.50	1.50	11.94	0.05	-9.36	0.11	10.35	0.04
43959.70	1.50	8.38	0.04	43887.50	2.60	13.04	0.08	-7.81	0.11	11.13	0.26
44111.50	2.30	9.10	0.08	44035.10	2.60	13.42	0.15	-12.94	0.52	14.34	0.24
44240.90	2.60	7.85	0.06	44174.20	3.50	11.98	0.08	-8.38	0.11	11.00	0.09
44388.80	4.00	7.98	0.07	44319.40	1.40	12.51	0.07	-8.99	0.12	—	—
44547.00	2.10	8.83	0.08	44454.10	4.40	12.44	0.11	-19.33	0.33	10.64	0.23
44675.50	1.60	7.47	0.07	44603.20	1.20	12.32	0.07	-10.53	0.08	9.17	0.08
44824.80	2.00	8.63	0.07	44749.80	8.70	12.55	0.23	—	—	13.22	0.20
44958.50	1.30	7.75	0.05	44892.90	2.10	12.43	0.09	-8.68	0.08	10.21	0.06
45111.30	1.90	9.04	0.06	45041.90	2.20	13.81	0.13	-10.98	0.15	10.58	0.37
45252.60	1.50	7.93	0.06	45177.40	3.30	13.37	0.15	-10.83	0.11	8.71	0.04
45403.60	1.40	9.07	0.05	45329.00	3.30	13.88	0.13	-13.20	0.28	9.86	0.20
45536.40	2.40	7.79	0.06	45467.20	2.50	13.23	0.14	—	—	9.51	0.27
45686.40	1.70	8.73	0.05	45608.50	2.00	12.77	0.08	-14.48	0.14	13.09	0.18
45825.70	1.90	8.06	0.06	45757.80	1.70	12.41	0.06	-9.99	0.09	12.12	0.97
45964.10	4.30	7.89	0.09	45900.90	2.50	12.02	0.06	-7.53	0.26	11.19	0.13
46116.20	1.50	8.36	0.05	46046.20	2.00	13.24	0.10	-9.75	0.12	10.32	0.33
46258.90	3.10	8.02	0.10	46186.30	3.30	12.79	0.12	-10.48	0.24	11.12	0.26
46403.50	2.00	7.83	0.07	46326.40	1.30	12.32	0.06	-11.03	0.12	10.04	0.11
46544.80	3.10	7.89	0.07	46477.20	1.80	12.87	0.06	-7.99	0.09	8.22	0.14
46684.70	1.60	8.36	0.05	46620.50	3.00	13.31	0.15	-8.32	0.26	13.12	0.09
46827.20	1.50	7.72	0.05	46759.30	1.80	12.52	0.07	-8.66	0.10	9.82	0.08
46978.60	1.50	8.00	0.05	46906.10	1.70	12.85	0.08	-12.01	0.12	10.87	0.11
47119.90	2.30	8.00	0.05	47045.00	1.50	12.34	0.05	-10.91	0.12	11.11	0.13
47274.20	1.70	8.65	0.04	47201.40	1.00	12.45	0.05	-11.58	0.23	10.84	0.11
47406.50	2.30	8.02	0.06	47334.70	0.80	12.25	0.05	-11.91	0.13	13.78	0.10
47555.80	1.40	8.41	0.04	47486.10	1.80	11.91	0.06	-12.35	0.12	9.15	0.11
47696.70	1.90	8.22	0.05	47629.20	2.00	13.12	0.06	-7.60	0.06	10.84	0.14

## X Cam (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
47843.40	1.40	8.01	0.04	47771.40	1.10	12.97	0.05	-10.31	0.06	8.90	0.11
47986.90	1.00	7.93	0.04	47916.00	2.10	13.71	0.10	-7.02	0.15	8.86	0.06
48130.00	3.90	7.89	0.06	48058.80	1.70	13.31	0.16	-7.44	0.14	8.11	0.17
48268.00	1.70	8.11	0.05	48199.00	1.90	12.67	0.07	-8.54	0.21	12.04	0.19
48406.10	2.90	7.92	0.05	48335.80	2.20	11.35	0.06	-11.21	0.12	8.52	0.08
48559.40	1.40	8.56	0.05	48485.80	1.90	13.09	0.10	-9.74	0.17	10.04	0.12
48693.70	1.40	8.06	0.05	48625.80	1.90	13.11	0.09	-8.44	0.06	11.37	0.09
48839.70	2.30	7.97	0.04	48765.70	1.10	12.33	0.08	-9.27	0.19	8.80	0.03
48986.90	1.30	9.00	0.04	48916.20	2.30	13.82	0.12	-12.04	0.27	9.67	0.11
49122.20	1.10	8.25	0.05	49050.50	1.30	13.53	0.10	-9.60	0.08	11.42	0.14
49268.40	1.60	8.06	0.04	49196.70	2.30	12.59	0.06	-9.36	0.08	10.23	0.08
49412.80	1.40	7.98	0.03	49337.90	1.50	12.65	0.07	-10.03	0.11	9.39	0.15
49565.50	1.20	8.46	0.05	49487.40	1.80	12.32	0.05	-12.82	0.21	9.86	0.07
49694.40	1.40	7.59	0.05	49626.20	1.40	12.39	0.08	-8.79	0.09	11.51	0.06
49842.40	1.70	8.29	0.04	49779.50	0.90	12.80	0.06	-7.63	0.09	14.50	0.19
49990.80	1.60	8.42	0.04	49918.40	2.10	11.43	0.04	-17.57	0.15	9.93	0.06
50132.80	1.00	8.02	0.03	50052.00	1.30	12.19	0.05	-14.04	0.10	9.68	0.04
50281.70	1.00	8.62	0.03	50209.20	2.30	12.77	0.06	-12.08	0.17	10.35	0.05
50423.00	1.70	8.14	0.05	50351.50	1.00	13.22	0.05	-9.12	0.04	12.26	0.07
50564.30	1.30	7.84	0.03	50496.00	1.00	12.35	0.06	-8.75	0.05	9.29	0.09
50715.40	1.10	8.36	0.03	50638.70	1.90	12.57	0.07	-10.54	0.06	9.73	0.06
50853.80	1.90	7.80	0.04	50785.40	1.10	12.59	0.04	-7.37	0.05	9.36	0.05
50997.20	1.40	8.30	0.04	50927.30	1.00	12.97	0.10	-10.70	0.11	10.31	0.08
51145.80	2.00	7.90	0.05	51068.10	1.30	12.47	0.04	-10.10	0.07	7.57	0.05
51294.10	0.90	8.24	0.03	51216.20	1.40	13.07	0.05	-11.01	0.05	8.99	0.08
51436.20	1.10	8.09	0.04	51362.60	2.00	12.90	0.06	-10.46	0.10	8.51	0.12

## U UMi

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
19866.00	7.40	8.42	0.05	—	—	—	—	—	—	44.09	0.21
20203.00	2.10	8.45	0.03	20044.00	2.80	11.47	0.04	-32.74	0.20	29.23	0.11
22166.00	1.90	8.23	0.04	—	—	—	—	-17.52	0.42	28.37	0.39
22506.00	2.00	8.48	0.05	22352.00	3.40	11.96	0.04	-26.91	0.15	28.68	0.14
22842.00	4.30	8.75	0.08	22668.00	2.70	11.79	0.04	-38.65	0.57	29.67	0.47
22843.00	4.30	8.75	0.08	22668.00	2.70	11.79	0.04	-38.65	0.57	29.67	0.47
23176.00	4.90	8.23	0.08	22984.00	3.50	11.49	0.04	-48.52	0.36	29.91	0.23
23509.00	3.80	8.85	0.04	23345.60	3.80	12.12	0.06	-33.23	0.46	40.70	0.88
23849.00	3.20	8.45	0.04	23674.00	4.10	12.04	0.06	—	—	33.24	0.30
24176.00	3.20	8.40	0.04	24005.20	2.50	11.57	0.04	-37.50	0.17	30.27	0.17
24503.00	2.50	8.10	0.03	24337.10	2.50	11.90	0.05	-27.85	0.14	27.41	0.24
24842.00	2.90	8.21	0.04	24667.00	2.60	11.91	0.06	-22.15	0.21	26.06	0.16
25167.00	3.50	8.73	0.03	24999.00	3.30	12.02	0.07	-28.06	0.30	31.88	0.53
25482.00	2.00	7.94	0.02	25327.00	2.20	11.74	0.06	-18.89	0.21	33.66	0.14
25821.00	2.60	8.09	0.03	25661.00	2.50	11.60	0.06	-19.43	0.20	27.68	0.13
26157.00	2.50	8.41	0.03	25994.00	2.70	12.08	0.05	-17.09	0.34	22.72	0.40
26492.00	3.80	8.41	0.05	26325.00	2.90	12.00	0.06	-26.81	0.32	34.64	0.24



## U UMi (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
26803.00	3.10	8.10	0.04	26657.00	3.20	11.56	0.05	-15.03	0.83	35.17	0.29
27140.00	3.00	8.22	0.03	26975.00	4.30	11.44	0.07	-28.09	0.28	23.86	0.42
27485.00	5.80	8.41	0.07	27306.00	3.00	11.89	0.09	-23.92	0.29	25.43	0.23
27806.00	4.40	8.12	0.09	27625.00	2.70	11.83	0.05	—	—	19.16	0.28
28133.00	3.90	7.68	0.07	27935.00	3.30	11.70	0.08	-41.56	0.26	26.89	0.24
28482.00	6.60	8.46	0.10	28298.00	4.30	12.04	0.09	-27.01	0.29	21.06	0.24
28804.00	3.00	7.82	0.06	28616.00	2.70	12.35	0.07	-26.02	0.45	21.05	0.16
29127.00	3.10	8.60	0.05	28946.00	3.90	12.17	0.07	-34.76	0.27	32.16	0.22
29459.00	3.00	8.17	0.05	29292.00	2.60	12.19	0.05	-27.79	0.17	27.10	0.39
29774.00	5.10	8.39	0.06	29610.00	5.40	11.48	0.07	—	—	—	—
30104.00	10.60	8.14	0.10	—	—	—	—	—	—	35.04	0.50
—	—	—	—	30275.00	6.00	11.89	0.06	—	—	—	—
30712.40	3.70	8.54	0.07	30588.90	5.00	11.87	0.07	—	—	44.03	0.63
—	—	—	—	30920.00	5.60	11.32	0.06	—	—	—	—
31405.00	20.40	8.53	0.06	—	—	—	—	—	—	—	—
32675.00	6.10	8.34	0.12	—	—	—	—	—	—	—	—
34266.00	6.70	8.66	0.05	—	—	—	—	—	—	—	—
34594.00	5.40	8.01	0.09	—	—	—	—	—	—	—	—
37516.00	11.20	8.46	0.08	—	—	—	—	—	—	—	—
38169.20	6.50	8.79	0.09	38031.00	5.40	11.19	0.08	-40.31	1.14	46.06	0.86
38462.00	13.10	9.28	0.11	38334.00	6.90	11.63	0.12	—	—	—	—
—	—	—	—	38978.00	3.60	11.09	0.07	—	—	—	—
39797.00	4.40	8.67	0.05	39631.00	6.70	11.24	0.08	—	—	39.24	0.52
40142.00	7.60	8.93	0.08	39959.00	5.00	11.52	0.08	-22.77	1.08	26.31	0.57
40465.00	3.90	8.77	0.06	40271.00	6.00	11.63	0.07	-49.44	0.20	28.66	0.63
40782.00	5.10	8.32	0.08	40613.00	7.70	11.43	0.06	-34.32	0.34	33.26	0.66
41121.00	3.50	8.47	0.04	40944.00	6.00	11.45	0.12	—	—	—	—
41452.00	4.70	8.78	0.06	41283.00	4.40	12.49	0.12	—	—	—	—
41788.00	7.40	8.84	0.07	41609.00	4.20	11.78	0.13	—	—	—	—
42113.00	2.50	8.52	0.04	41942.00	5.00	11.97	0.08	—	—	—	—
42430.00	3.20	8.09	0.06	42280.00	4.20	11.76	0.06	—	—	32.67	0.16
42763.80	2.80	8.15	0.08	42614.00	3.60	11.74	0.05	-23.03	0.22	32.50	0.39
43096.60	2.80	8.55	0.05	42936.00	2.50	11.85	0.04	-29.16	0.13	33.99	0.36
43438.00	3.10	8.68	0.06	43270.00	4.30	12.09	0.05	-35.44	0.29	38.45	0.56
43773.00	2.50	7.90	0.04	43596.00	5.10	12.08	0.08	-28.33	0.18	23.99	0.23
44111.00	3.10	8.67	0.04	43925.00	3.70	12.30	0.09	-30.93	0.52	29.42	0.13
44447.10	3.00	8.64	0.05	44263.00	3.50	12.27	0.08	-34.19	0.20	27.23	0.32
44777.00	2.70	8.67	0.05	44600.60	4.20	12.20	0.09	-33.36	0.19	31.42	0.38
45090.40	2.40	8.00	0.04	44942.00	3.90	11.64	0.07	-22.86	0.20	24.85	0.29
45419.00	2.50	8.56	0.05	45261.60	4.90	11.66	0.06	-29.03	0.28	30.11	0.20
45737.00	3.40	8.22	0.06	45577.00	3.90	11.52	0.04	-29.77	0.35	29.64	0.20
46066.70	3.60	8.54	0.07	45905.00	3.10	11.94	0.05	-29.12	0.63	31.36	0.35
46405.00	4.70	8.69	0.06	46225.00	3.40	11.90	0.05	-38.02	0.22	29.30	0.41
46745.00	5.60	8.63	0.08	46561.00	2.90	12.27	0.05	-21.69	0.91	26.16	0.37
47063.00	2.90	8.36	0.04	46883.00	3.10	12.06	0.07	-19.67	0.43	27.62	0.16
47378.00	2.70	8.66	0.03	47209.00	2.70	11.77	0.06	-23.94	0.18	31.18	0.18
—	—	—	—	47540.00	2.60	11.76	0.07	—	—	—	—
—	—	—	—	47872.00	3.50	11.32	0.09	—	—	—	—
—	—	—	—	48172.00	3.40	11.00	0.06	—	—	—	—
48668.00	2.70	8.58	0.05	48505.00	2.80	11.21	0.04	-47.70	0.31	31.49	0.27
48992.00	2.50	8.44	0.03	48814.00	2.60	11.40	0.04	-40.11	0.19	26.39	0.18
49315.00	4.80	8.67	0.07	49135.90	3.40	11.38	0.06	-27.64	0.70	33.10	0.23
49652.00	3.20	8.55	0.04	49463.00	3.70	11.78	0.05	-26.02	0.25	26.72	0.18
49966.00	2.20	8.77	0.03	49791.00	2.30	11.72	0.04	-36.83	0.09	32.34	0.24
50286.10	2.00	8.70	0.03	50108.00	2.90	11.31	0.03	-44.69	0.12	30.29	0.10
50596.10	1.70	8.37	0.03	50429.00	3.20	11.35	0.04	-28.18	0.15	35.03	0.08
50912.20	1.80	8.34	0.03	50768.00	1.90	11.36	0.03	-24.10	0.15	36.94	0.10
51224.00	2.80	8.78	0.03	51096.00	3.00	11.43	0.05	-17.63	0.15	—	—

## R Cyg

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
23188.57	0.92	7.09	0.10	—	—	—	—	—	—	30.78	0.30
23591.97	1.72	6.48	0.12	—	—	—	—	-11.59	0.55	18.95	0.69
24018.95	2.11	6.96	0.23	—	—	—	—	-11.95	0.11	38.24	0.17
24454.23	1.37	6.94	0.11	24308.28	2.96	14.35	0.14	-13.50	0.54	26.81	0.77
24893.65	1.17	6.71	0.29	24734.84	0.62	14.42	0.19	-11.87	0.21	—	—
25314.50	3.81	7.10	0.20	—	—	—	—	-9.47	0.66	27.39	0.29
25760.45	0.67	7.33	0.12	25591.26	1.08	14.10	0.16	-12.89	0.43	35.26	0.39
26179.31	2.71	7.24	0.12	25994.89	1.46	13.21	0.17	-18.85	0.49	32.01	0.40
26619.64	1.33	7.52	0.09	—	—	—	—	-13.91	0.32	35.07	1.89
27033.36	1.38	6.77	0.11	—	—	—	—	-16.63	0.14	26.23	0.63
—	—	—	—	27304.98	1.51	14.06	0.11	—	—	—	—
27900.22	8.76	6.82	0.57	27727.69	0.66	13.61	0.07	—	—	25.34	0.19
28325.46	2.46	7.22	0.11	—	—	—	—	—	—	35.56	0.36
28791.34	3.10	8.42	0.09	—	—	—	—	-14.91	0.26	26.76	0.38
29186.15	0.35	7.23	0.06	—	—	—	—	-12.31	0.35	32.75	0.24
29620.37	5.95	8.48	0.13	—	—	—	—	-11.15	0.31	—	—
30044.94	1.17	7.16	0.19	—	—	—	—	-9.17	0.24	—	—
30469.50	1.13	6.88	0.58	—	—	—	—	—	—	—	—
30927.55	0.02	8.21	0.13	—	—	—	—	—	—	—	—
31337.58	1.98	9.28	0.11	—	—	—	—	—	—	—	—
33455.88	0.12	6.28	0.07	—	—	—	—	-15.92	0.78	25.23	0.58
33929.02	1.55	8.55	0.05	—	—	—	—	—	—	—	—
34344.96	0.60	8.03	0.12	—	—	—	—	—	—	—	—
34748.68	1.96	6.49	0.16	—	—	—	—	-12.61	0.27	—	—
36043.41	1.89	8.75	0.21	—	—	—	—	—	—	—	—
36479.99	1.71	6.50	0.14	—	—	—	—	—	—	—	—
36895.08	0.87	8.71	0.10	—	—	—	—	—	—	—	—
37327.86	1.75	6.23	0.18	37192.60	0.34	13.87	0.08	-14.46	0.21	24.98	0.39
37762.44	1.74	8.46	0.08	37585.15	0.62	14.00	0.07	-13.02	0.46	34.65	0.27
38180.14	0.00	6.76	0.16	—	—	—	—	—	—	32.41	0.18
38612.21	1.04	7.05	0.13	—	—	—	—	-13.53	0.15	26.84	0.42
39057.14	1.25	8.36	0.05	38941.86	0.10	13.83	0.34	-14.35	0.31	33.27	0.86
39472.33	1.63	7.08	0.10	39285.56	1.48	13.29	0.14	-16.71	0.16	29.57	0.23
39896.50	0.60	6.57	0.07	39735.34	0.63	13.69	0.07	-9.75	0.15	27.36	0.07
40340.49	1.43	7.69	0.09	40162.52	0.62	14.15	0.07	-9.00	0.24	31.80	0.05
40744.53	1.18	6.88	0.08	40579.29	0.57	13.60	0.07	-13.42	0.35	30.26	0.05
41181.06	1.00	8.10	0.05	41012.12	0.42	14.11	0.09	-15.87	0.12	36.33	0.12
41592.84	0.49	6.63	0.05	41423.35	0.26	13.58	0.11	-17.65	0.09	33.84	0.06
42026.32	0.57	7.33	0.05	41868.18	0.57	13.79	0.05	-12.25	0.05	38.13	0.07
42440.74	1.06	5.88	0.24	42285.30	0.28	13.68	0.04	-12.12	0.05	24.06	0.05
42906.84	0.83	9.19	0.03	42709.57	0.97	13.76	0.04	-15.29	0.78	25.76	0.21
43317.76	1.22	8.17	0.06	—	—	—	—	-10.02	0.11	27.33	0.08
43729.63	0.51	7.82	0.05	—	—	—	—	-8.62	0.05	29.06	0.08
44158.09	0.68	7.09	0.06	43997.17	0.55	14.03	0.15	-11.84	0.05	27.42	0.09
44611.72	1.75	9.04	0.22	44446.73	7.30	14.30	0.15	-5.68	0.24	29.83	0.65
45016.33	0.17	7.28	0.07	44869.93	1.10	14.26	0.08	-15.52	0.06	27.11	0.07
45476.54	1.93	9.63	0.08	45297.10	1.27	14.41	0.05	—	—	44.22	0.24
45899.55	0.58	8.19	0.03	45716.81	1.93	14.09	0.10	-18.09	0.11	26.12	0.08
46354.75	0.61	8.37	0.04	46157.77	0.82	14.32	0.14	-10.89	0.12	30.24	0.15
46763.53	0.72	8.00	0.04	46598.04	1.72	14.46	0.09	-18.22	0.05	37.53	0.11
47176.65	0.32	7.39	0.06	47018.77	1.39	14.03	0.08	-15.61	0.13	29.15	0.06
47627.68	0.99	8.81	0.05	47448.45	1.02	14.03	0.04	-15.97	0.15	39.04	0.09
48023.87	0.53	6.60	0.06	47883.03	0.10	14.21	0.05	-16.86	0.07	23.77	0.03
48471.72	0.58	8.37	0.03	48283.67	1.23	13.89	0.08	-10.16	0.10	27.54	0.06

## R Cyg (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
48892.70	0.50	7.72	0.03	48720.41	1.31	14.32	0.13	-14.35	0.13	29.20	0.05
49331.28	1.08	8.48	0.04	49147.01	0.80	14.17	0.06	-17.60	0.05	29.09	0.16
49724.89	1.03	7.15	0.04	49565.45	0.39	14.05	0.04	-13.62	0.06	29.98	0.04
50148.89	0.43	8.34	0.07	49998.26	0.87	14.01	0.04	-8.22	0.10	27.79	0.09
50554.97	0.91	6.42	0.08	50409.65	0.13	14.02	0.06	-13.48	0.35	24.83	0.02
50991.29	0.77	8.53	0.05	—	—	—	—	-10.15	0.19	38.23	0.06

## U Cyg

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
23144.70	9.60	7.29	0.06	—	—	—	—	-35.27	1.56	39.72	0.56
23605.80	7.50	7.48	0.05	23377.60	5.40	11.06	0.09	-41.20	4.15	38.98	1.13
24067.40	6.40	7.73	0.03	23843.00	6.30	10.52	0.08	-48.54	0.98	60.81	1.30
24453.30	11.70	8.09	0.08	24309.90	14.00	10.53	0.18	—	—	47.74	0.90
24966.80	17.40	7.96	0.13	24736.20	10.90	10.64	0.10	-39.16	0.93	36.73	0.48
25410.40	11.80	8.23	0.08	25193.60	24.30	10.47	0.07	-54.18	2.46	40.64	1.41
25868.90	7.40	7.74	0.08	25628.40	18.20	10.36	0.13	-57.41	2.31	34.29	2.49
26307.20	22.40	7.77	0.14	26098.00	77.20	10.14	0.16	-44.34	2.48	—	—
26816.20	9.10	7.58	0.08	26502.30	19.10	10.09	0.10	—	—	—	—
27257.90	6.50	7.31	0.05	27006.10	6.40	10.38	0.09	-75.15	1.11	35.18	1.07
27723.00	8.90	7.63	0.04	27463.10	18.30	10.44	0.17	—	—	—	—
28224.00	5.10	7.49	0.08	27952.70	7.70	10.64	0.12	-41.14	0.54	28.56	0.64
28670.60	9.50	8.08	0.10	28435.50	6.60	10.71	0.07	-78.02	1.10	51.47	0.71
29117.70	9.10	8.01	0.06	28919.90	8.40	10.66	0.07	-55.64	3.38	58.81	1.59
29607.60	8.20	8.39	0.05	29350.50	11.30	10.36	0.13	-96.10	3.22	—	—
30538.80	12.00	7.62	0.08	30317.60	8.30	10.75	0.08	—	—	55.16	0.65
31042.40	6.10	7.40	0.12	30782.40	6.70	10.65	0.09	-7.70	1.78	—	—
32462.10	9.90	7.11	0.09	—	—	—	—	—	—	—	—
—	—	—	—	32685.10	24.30	10.81	0.49	—	—	—	—
33417.50	20.40	8.42	0.12	—	—	—	—	—	—	—	—
—	—	—	—	33573.40	14.30	9.96	0.13	—	—	—	—
34837.40	5.70	7.51	0.15	—	—	—	—	—	—	55.34	0.86
35288.80	8.80	7.29	0.08	35084.30	14.50	10.76	0.08	—	—	27.53	1.05
35746.00	12.90	9.15	0.10	35566.50	10.00	10.94	0.13	—	—	—	—
37179.80	18.00	8.39	0.17	—	—	—	—	—	—	—	—
37647.80	4.90	8.06	0.16	37405.80	15.10	12.11	0.24	—	—	56.73	1.19
38117.20	11.80	8.29	0.14	37887.40	6.50	11.81	0.10	-30.75	1.21	17.83	1.23
38555.80	13.70	8.49	0.08	38352.60	16.90	11.43	0.12	-48.76	1.53	—	—
39043.60	11.40	8.40	0.13	38808.30	10.40	11.03	0.25	—	—	—	—
39497.20	7.90	8.59	0.13	39239.10	9.20	11.60	0.31	—	—	53.40	0.82
39940.90	8.30	8.63	0.10	39712.70	4.90	11.43	0.07	-55.07	0.62	60.98	0.83
40394.60	7.10	7.97	0.05	40159.90	9.90	11.09	0.06	-50.38	0.74	43.23	0.70
40880.90	5.80	8.26	0.08	40645.50	7.30	11.30	0.14	—	—	45.66	1.07
41338.90	10.40	7.94	0.09	41067.40	13.00	10.85	0.12	-28.90	0.42	41.17	0.67
41784.80	20.60	7.64	0.09	41548.30	7.80	10.29	0.07	-23.36	0.40	33.05	0.44
42242.70	11.80	8.01	0.07	42036.90	29.00	10.55	0.08	—	—	44.15	0.59
42722.20	4.90	7.54	0.03	42483.40	5.40	11.09	0.12	-20.43	0.52	51.74	0.48
43188.70	15.80	7.59	0.06	42953.00	7.60	10.79	0.09	-22.18	0.53	—	—
43656.30	6.00	7.17	0.05	43397.30	7.80	10.35	0.08	-46.59	0.48	39.58	0.19
44112.20	4.00	7.49	0.03	43880.70	8.80	10.49	0.06	-40.38	1.03	39.03	0.31
44567.00	4.00	7.40	0.03	44319.90	8.00	10.54	0.11	-43.42	0.45	55.29	0.81
45029.10	5.70	7.91	0.07	44796.10	13.50	10.35	0.10	-37.03	0.90	40.22	0.36
45501.60	5.10	7.79	0.04	45269.70	5.60	11.43	0.06	—	—	34.31	0.31
45953.10	6.20	7.74	0.04	45720.50	5.90	11.08	0.07	-28.97	0.72	45.85	0.82
46409.90	6.10	7.38	0.04	46162.30	7.40	10.30	0.12	-45.19	0.89	51.79	0.54
46853.00	13.30	7.51	0.05	46640.90	5.30	10.18	0.06	-25.34	0.43	46.20	0.43
47323.20	3.90	7.81	0.04	47095.30	7.10	10.24	0.06	-58.33	0.70	46.72	0.20

## R Dra

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
22910.71	0.99	7.15	0.10	—	—	—	—	-14.75	0.18	17.58	0.17
—	—	—	—	23044.88	0.40	12.48	0.06	—	—	—	—
23406.35	0.77	7.67	0.06	23288.30	1.01	12.63	0.09	-12.47	0.21	19.74	0.15
23645.31	1.00	7.24	0.07	23529.53	3.62	12.14	0.11	-11.45	0.31	16.64	0.12
23890.29	0.34	7.33	0.03	23770.43	0.65	12.08	0.06	-11.66	0.25	17.18	0.16
24126.25	0.91	7.42	0.18	24015.31	0.54	11.86	0.04	-11.95	0.15	19.78	0.18
24374.18	1.53	8.00	0.06	24263.14	3.18	12.06	0.12	-15.13	0.27	21.20	0.12
24602.94	0.84	7.13	0.06	24496.13	0.97	12.44	0.10	-14.20	0.17	25.34	0.26
24850.77	1.05	7.09	0.05	24748.57	1.33	11.72	0.12	-13.84	0.06	19.83	0.10
25102.83	0.57	7.95	0.02	24987.84	4.35	12.50	0.16	-16.27	0.10	15.20	0.37
25348.41	0.53	7.77	0.04	25225.36	0.04	12.70	0.07	-17.19	0.23	18.50	0.22
25590.10	1.39	7.24	0.06	25466.65	0.39	12.11	0.07	-20.84	0.12	17.94	0.14
25830.24	1.13	7.78	0.04	25715.84	0.58	11.94	0.06	-14.80	0.41	18.95	0.22
26074.80	1.98	7.38	0.09	25953.81	0.87	11.91	0.13	-8.65	2.01	—	—
26315.72	2.00	7.54	0.10	26202.01	3.41	12.28	0.21	—	—	21.02	0.50
26552.64	0.74	7.46	0.26	26451.31	0.62	12.12	0.08	—	—	21.95	0.16
26801.60	3.43	7.15	0.15	—	—	—	—	—	—	18.46	0.20
27046.35	0.79	7.27	1.01	26936.60	0.97	12.10	0.07	—	—	20.11	0.63
27305.44	0.72	7.67	0.05	27187.59	1.07	12.56	0.08	-9.58	0.61	16.64	0.31
27552.98	0.93	7.45	0.03	—	—	—	—	—	—	18.44	0.75
27799.35	6.84	7.77	0.20	27685.02	0.80	11.86	0.08	-17.37	0.36	—	—
28038.86	2.17	7.48	0.08	27937.54	0.91	12.04	0.10	-14.83	0.36	25.19	0.51
28287.50	2.27	7.46	0.10	—	—	—	—	-16.65	2.71	19.18	0.30
28536.35	0.78	7.68	0.05	28420.91	0.54	12.32	0.08	-14.41	0.14	17.30	0.30
28783.87	2.22	7.50	0.09	28664.99	0.81	12.19	0.07	-15.32	0.21	19.34	0.14
29024.71	1.23	7.57	0.08	—	—	—	—	-10.14	0.26	18.40	0.22
29268.42	1.12	6.92	0.45	29154.50	1.34	12.27	0.11	-9.70	0.20	19.26	0.45
29517.67	2.01	8.04	0.11	29416.80	1.57	12.81	0.11	—	—	—	—
29766.90	3.68	7.41	0.18	—	—	—	—	—	—	16.07	0.24
30006.82	1.29	7.73	0.10	—	—	—	—	—	—	—	—
30264.64	1.57	7.92	0.14	—	—	—	—	—	—	—	—
30509.18	1.08	7.12	0.09	—	—	—	—	-8.59	0.27	15.44	0.36
31012.43	2.39	7.36	0.11	30901.87	0.94	12.50	0.12	-12.65	0.17	—	—
32250.59	1.68	7.45	0.07	—	—	—	—	—	—	—	—
32745.03	0.55	7.40	0.05	—	—	—	—	-9.42	0.24	17.12	0.09
33226.13	2.12	6.96	0.05	—	—	—	—	—	—	—	—
33478.46	0.91	7.64	0.06	—	—	—	—	-15.31	0.63	13.39	0.44
33717.28	0.44	7.32	0.07	—	—	—	—	-11.51	0.13	—	—
34222.01	9.99	7.63	0.32	—	—	—	—	—	—	—	—
34955.31	2.73	7.67	0.21	—	—	—	—	—	—	—	—
35443.27	2.23	7.21	0.19	—	—	—	—	-11.77	0.31	—	—
35682.90	1.15	7.08	0.47	—	—	—	—	—	—	—	—
36431.72	0.70	7.94	0.06	—	—	—	—	-9.39	0.28	13.34	1.16
36669.09	1.64	7.36	0.08	—	—	—	—	—	—	—	—
36911.96	0.35	6.38	0.12	—	—	—	—	-13.51	0.58	14.51	0.74
37163.88	4.02	7.98	0.19	—	—	—	—	-5.37	0.94	15.72	0.23
37406.87	0.74	7.41	0.07	37285.47	1.23	13.17	0.10	—	—	19.53	0.16
37645.34	2.97	8.03	0.23	37549.11	6.43	12.84	0.43	—	—	—	—
37895.48	0.74	7.36	0.05	37780.20	1.30	12.52	0.13	-12.46	0.58	17.11	0.10
38143.43	1.24	7.55	0.08	38027.86	0.69	12.89	0.11	-11.59	0.20	15.84	0.25
38392.48	7.28	7.80	0.28	38274.66	0.90	12.83	0.09	-14.35	0.29	19.25	0.60
38624.47	0.96	7.11	0.63	38505.89	6.48	12.18	0.24	-12.66	0.34	18.36	0.45
38874.23	0.88	7.55	0.05	—	—	—	—	—	—	13.95	0.26
39126.45	7.52	7.86	0.32	39004.78	1.49	12.91	0.16	-11.83	0.32	—	—

## R Dra (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
39375.02	1.14	7.77	0.05	39249.49	1.90	12.55	0.13	-15.44	0.12	16.65	0.06
39612.37	1.40	8.02	0.06	39493.87	0.76	12.72	0.09	-13.15	0.13	16.25	0.11
39859.75	2.27	7.24	0.09	39744.31	0.93	12.95	0.11	-12.93	0.10	14.87	0.09
40095.24	1.15	7.64	0.05	39984.88	0.59	12.45	0.06	-13.65	0.06	19.90	0.13
40337.92	0.47	7.33	0.04	40225.60	5.98	12.17	0.19	-12.92	0.18	22.67	0.08
40580.19	0.38	7.23	0.05	40468.32	3.26	11.84	0.15	-13.66	0.10	22.70	0.18
40831.28	0.37	7.69	0.03	40724.27	0.59	12.27	0.08	-13.15	0.13	18.20	0.14
41083.75	0.87	7.42	0.05	40957.51	0.67	12.49	0.10	-19.28	0.19	16.17	0.05
41325.83	1.17	7.44	0.10	41208.52	0.72	12.47	0.05	-14.03	0.18	17.26	0.20
41576.41	1.14	7.73	0.07	41457.95	0.77	12.69	0.07	-12.29	0.10	23.64	1.02
41811.15	0.88	7.11	0.04	41710.61	0.52	12.17	0.12	-13.47	0.14	20.08	0.05
42069.43	1.29	7.63	0.06	41952.76	3.15	12.35	0.16	-15.08	0.09	16.91	0.04
42314.45	0.94	7.21	0.05	42198.64	2.94	12.70	0.11	-12.96	0.05	17.42	0.14
42566.56	0.27	7.75	0.03	42451.98	0.74	12.85	0.08	-12.73	0.06	16.33	0.04
42811.38	1.31	7.47	0.07	42687.24	3.65	12.62	0.14	-13.24	0.13	16.42	0.05
43062.42	0.29	7.84	0.02	42943.92	2.01	13.08	0.10	-13.94	0.08	17.40	0.11
43296.91	0.68	7.27	0.04	43185.02	0.46	12.80	0.07	-9.61	0.09	19.54	0.06
43548.70	1.44	7.35	0.08	43433.26	3.53	12.35	0.14	-16.15	0.11	16.37	0.07
43799.42	0.95	7.51	0.05	43681.33	2.18	12.68	0.07	-9.69	0.05	15.76	0.09
44050.16	1.75	7.41	0.07	43926.54	0.56	12.80	0.07	-12.13	0.08	16.16	0.05
44295.22	1.30	7.68	0.11	44182.91	0.55	12.85	0.06	-11.45	0.27	15.59	0.23
44539.31	1.83	7.40	0.08	44423.35	0.47	12.92	0.07	-12.60	0.05	15.96	0.12
44791.95	1.72	7.61	0.08	44672.48	0.71	12.80	0.08	-10.44	0.11	14.09	0.04
45030.41	1.02	7.91	0.39	44916.01	0.81	13.14	0.07	-9.42	0.37	18.43	0.07
45270.52	0.68	6.85	0.05	45152.66	3.23	12.73	0.17	-11.10	0.09	16.72	0.12
—	—	—	—	45415.70	0.40	13.12	0.06	—	—	—	—
45773.64	1.75	7.59	0.09	—	—	—	—	-14.64	0.18	16.07	0.08
46018.82	0.37	7.50	0.03	45897.76	3.38	12.59	0.12	-13.88	0.10	17.04	0.12
46268.87	0.28	7.67	0.03	46151.37	0.57	12.76	0.08	-11.99	0.13	18.34	0.07
46519.29	1.65	7.31	0.08	46398.80	0.29	13.42	0.17	-15.24	0.20	15.14	0.04
46762.59	1.24	7.74	0.10	46648.43	1.76	12.88	0.08	-13.00	0.09	15.60	0.06
47005.40	0.83	7.93	0.04	46889.99	0.60	13.17	0.06	-11.78	0.06	20.19	0.04
47247.98	1.85	7.67	0.06	47129.79	0.63	12.56	0.07	-13.74	0.11	16.03	0.04
47487.34	0.59	7.34	0.04	47376.52	2.33	12.72	0.07	-13.46	0.05	15.39	0.13
47737.40	0.37	7.95	0.03	47628.72	0.33	12.96	0.04	-13.89	0.03	17.58	0.06
47979.77	0.27	7.11	0.02	47861.14	0.63	12.73	0.06	-11.54	0.04	18.60	0.02
48226.83	0.31	7.87	0.02	48118.95	0.22	12.91	0.04	-11.02	0.04	17.11	0.06
48475.15	0.29	7.57	0.02	48359.01	1.84	12.96	0.12	-12.88	0.05	17.87	0.03
48723.66	0.33	7.67	0.02	48607.76	1.84	12.76	0.10	-12.17	0.07	16.15	0.04
48963.75	0.58	7.39	0.04	48845.88	0.35	12.55	0.03	-16.04	0.06	19.74	0.05
49212.38	0.27	7.41	0.02	49093.60	1.95	12.36	0.08	-14.38	0.04	14.49	0.04
49455.35	0.29	7.75	0.02	49340.94	0.50	12.73	0.05	-11.61	0.07	14.73	0.04
49700.98	0.57	7.81	0.04	49586.68	0.43	13.27	0.04	-11.92	0.07	20.26	0.04
49952.78	1.15	7.59	0.05	49842.62	0.40	12.93	0.04	-10.18	0.03	16.46	0.04
50189.25	0.42	7.12	0.03	50081.58	0.48	12.53	0.04	-12.82	0.04	17.25	0.02
50441.36	0.67	7.09	0.04	50327.22	0.39	12.53	0.03	-9.72	0.04	18.18	0.04
50695.00	0.24	7.58	0.02	50581.67	4.82	13.00	0.18	-11.06	0.07	19.12	0.07
50944.41	0.79	7.98	0.05	50827.93	0.42	13.11	0.07	-16.88	0.08	17.82	0.04
51186.48	0.19	7.61	0.02	51067.78	0.35	12.94	0.04	-12.80	0.03	18.14	0.03
51435.82	0.35	7.82	0.02	51317.80	2.21	12.85	0.10	-12.39	0.04	17.57	0.07

## RS Her

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma(dt/dm)$	$dt/dm$	$\sigma(dt/dm)$
—	—	—	—	23293.75	8.00	12.42	0.39	—	—	—	—
24278.34	1.04	8.30	0.05	—	—	—	—	—	—	—	—
24495.13	2.67	7.90	0.09	24385.06	2.01	11.99	1.95	—	—	—	—
24723.15	7.11	8.17	1.51	—	—	—	—	—	—	—	—
24951.33	1.31	8.23	0.07	—	—	—	—	—	—	—	—
25168.87	3.32	8.07	0.12	25055.88	9.65	12.98	0.42	-16.34	0.44	—	—
25386.01	2.58	7.89	0.08	—	—	—	—	—	—	12.65	0.28
25609.37	2.16	7.86	0.12	25492.61	1.98	12.46	0.11	-20.10	0.52	15.18	0.32
25836.12	1.14	8.13	0.04	25719.07	0.79	12.73	0.10	-18.90	0.96	14.22	0.49
26064.42	0.49	7.57	0.07	—	—	—	—	—	—	—	—
26270.89	0.64	7.87	0.04	—	—	—	—	-16.67	0.23	—	—
26490.81	1.20	7.72	0.07	—	—	—	—	—	—	—	—
26714.61	1.53	7.90	0.07	—	—	—	—	—	—	—	—
26932.05	0.89	7.52	0.08	—	—	—	—	-19.65	1.59	16.18	0.56
27377.16	6.95	7.50	0.22	—	—	—	—	—	—	—	—
27595.07	2.33	7.64	0.10	—	—	—	—	—	—	14.51	0.23
28038.95	1.14	7.93	0.07	27936.54	1.30	12.53	0.14	-16.75	0.30	17.48	0.21
28257.55	1.18	7.83	0.06	—	—	—	—	—	—	14.06	0.25
28470.16	2.50	7.96	0.14	28367.05	0.50	12.39	0.06	-8.65	0.32	19.58	0.83
28685.12	0.42	7.62	0.25	—	—	—	—	—	—	—	—
29141.03	2.21	8.45	0.13	—	—	—	—	-17.87	0.33	14.36	0.30
29359.97	1.28	8.11	0.12	—	—	—	—	—	—	—	—
29570.98	5.27	8.88	0.12	29471.15	0.88	12.60	0.09	—	—	—	—
29791.83	0.11	7.16	0.13	—	—	—	—	—	—	—	—
30237.90	3.38	7.58	0.20	—	—	—	—	—	—	16.92	0.40
30686.95	1.48	8.36	0.07	30599.89	0.11	12.58	0.16	-13.71	0.25	—	—
30903.49	1.25	8.37	0.05	—	—	—	—	—	—	—	—
31335.44	0.82	7.43	0.11	—	—	—	—	-14.39	0.12	18.37	0.69
34205.74	0.74	8.16	0.12	—	—	—	—	-37.42	2.12	18.99	0.60
34628.44	3.82	8.02	0.15	—	—	—	—	—	—	—	—
34836.78	2.82	7.83	0.11	—	—	—	—	—	—	—	—
35268.91	1.31	8.40	0.04	—	—	—	—	—	—	—	—
36807.05	1.14	8.07	0.06	—	—	—	—	—	—	17.89	0.29
37257.00	1.71	7.66	0.11	—	—	—	—	—	—	—	—
37468.20	6.50	8.71	0.30	—	—	—	—	-22.57	0.60	15.15	0.62
37686.52	0.97	7.97	0.07	37572.08	1.05	12.39	0.09	-19.85	0.89	16.74	0.46
37908.34	0.75	8.40	0.03	37796.42	3.84	12.42	0.26	-17.88	0.60	19.43	0.30
38122.76	0.07	7.81	0.16	—	—	—	—	—	—	—	—
—	—	—	—	38237.32	1.99	12.16	0.16	—	—	—	—
38562.52	1.31	7.85	0.12	—	—	—	—	—	—	—	—
39014.99	0.44	8.42	0.04	—	—	—	—	-26.33	0.18	12.97	0.38
39440.87	2.44	7.99	0.15	39336.88	4.30	12.87	0.15	-16.47	0.18	—	—
39673.06	1.60	7.42	0.10	39569.54	1.91	12.45	0.08	-12.69	0.16	14.68	0.09
39893.94	1.05	7.82	0.06	39787.76	4.49	12.55	0.18	—	—	15.78	0.11
40117.92	2.53	7.72	0.08	40006.52	1.34	12.65	0.08	-12.69	0.07	15.42	0.27
40332.94	0.62	7.70	0.05	—	—	—	—	-12.52	0.10	25.15	0.08
40547.68	2.87	7.53	0.12	40459.21	0.65	12.00	0.07	-13.29	0.12	15.63	0.68
40786.17	0.34	7.99	0.03	40674.42	0.67	12.42	0.09	-10.25	0.24	11.03	0.12
41019.78	1.06	8.48	0.11	40901.41	1.18	12.87	0.15	—	—	14.99	0.19
41232.97	0.69	7.68	0.05	41109.78	0.39	12.66	0.05	-16.61	0.08	15.69	0.49
41456.97	0.57	8.04	0.03	41341.65	11.37	12.73	0.54	—	—	14.12	0.10
41663.47	2.20	8.28	0.09	41565.16	2.81	12.69	0.13	-13.67	0.18	14.50	0.29
41897.50	1.55	8.14	0.05	41788.02	0.50	12.65	0.08	-10.71	0.10	13.77	0.19
42115.90	2.58	7.74	0.10	—	—	—	—	-24.11	1.13	13.39	0.05

RS Her (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
42337.14	2.33	7.81	0.10	42223.92	0.37	12.44	0.04	-15.63	0.07	—	—
42556.00	1.41	8.11	0.08	42464.89	1.63	12.56	0.08	-10.82	0.15	18.14	0.06
42782.80	0.90	8.19	0.07	42671.39	2.18	12.69	0.12	-16.74	0.26	16.60	0.19
42996.70	3.02	7.67	0.11	42889.58	0.43	12.50	0.05	-11.46	0.09	15.47	0.10
43218.53	1.78	7.85	0.12	43104.73	1.82	12.17	0.11	-21.42	0.32	12.31	0.16
43439.90	1.04	7.94	0.08	43324.20	2.21	12.91	0.10	-18.33	0.15	—	—
43669.84	1.19	8.19	0.07	43552.02	0.72	12.83	0.09	-17.98	0.20	15.31	0.07
43892.02	3.63	8.37	0.17	43772.38	2.46	12.84	0.15	-15.86	0.66	16.86	0.24
44095.89	0.95	7.42	0.06	43988.20	1.31	12.32	0.09	-13.08	0.09	17.79	0.08
44314.31	1.17	7.55	0.09	—	—	—	—	—	—	14.39	0.07
44536.83	1.92	8.06	0.10	44424.10	3.16	12.79	0.11	-16.60	0.11	16.92	0.42
44759.86	0.56	8.09	0.03	44643.65	0.56	12.93	0.10	—	—	14.60	0.07
44971.22	0.94	8.07	0.08	44862.92	1.32	12.60	0.09	-15.16	0.30	14.20	0.25
45184.70	0.32	7.84	0.02	45080.29	0.41	12.73	0.05	-10.26	0.12	13.89	0.07
45412.81	1.63	7.83	0.11	45296.34	3.29	12.49	0.16	—	—	16.03	0.09
45637.02	4.27	8.13	0.16	45524.59	1.83	12.87	0.08	-16.35	0.14	—	—
45850.08	0.78	8.11	0.03	—	—	—	—	—	—	14.17	0.08
46067.79	0.95	8.10	0.09	45961.00	0.50	12.69	0.06	-14.18	0.29	15.42	0.36
46291.48	2.03	7.91	0.08	46179.84	0.63	12.82	0.06	-15.35	0.11	12.45	0.07
46508.32	3.66	7.76	0.21	—	—	—	—	—	—	13.43	0.12
46721.49	0.40	7.81	0.03	46619.13	0.35	12.74	0.04	-12.64	0.06	19.72	0.23
46940.73	1.05	7.67	0.05	—	—	—	—	-14.68	0.33	21.40	0.04
47155.05	1.49	7.65	0.70	47061.36	0.48	12.30	0.05	-12.23	0.17	19.04	0.22
47380.57	1.74	8.01	0.06	47279.48	3.13	12.76	0.25	-8.66	0.09	16.37	0.05
47600.35	0.57	8.05	0.04	—	—	—	—	-17.00	0.75	13.17	0.08
47811.56	2.44	7.99	0.07	47706.54	0.39	12.70	0.05	-9.02	0.15	20.21	0.13
48028.34	1.20	7.88	0.05	47927.45	0.39	12.43	0.07	-11.94	0.14	20.50	0.06
48244.18	0.66	7.97	0.04	48141.67	2.17	11.97	0.09	-14.11	0.14	16.64	0.18
48467.39	1.05	7.89	0.05	48353.31	2.17	12.72	0.15	-11.77	0.11	14.35	0.07
48693.87	1.15	8.10	0.09	—	—	—	—	—	—	13.38	0.11
48912.04	0.66	8.24	0.05	48795.50	0.52	13.27	0.06	-14.06	0.12	20.61	1.03
49119.76	0.48	7.94	0.03	—	—	—	—	-10.84	0.10	12.06	0.07
49340.97	1.77	8.54	0.08	49232.83	0.41	12.83	0.04	-12.32	0.25	19.73	0.75
49561.49	1.66	7.85	0.06	49453.58	1.46	12.52	0.15	-15.28	0.09	19.79	0.09
49775.74	0.72	7.89	0.04	49667.77	0.62	12.39	0.10	—	—	16.25	0.08
49988.22	0.30	7.80	0.03	49884.71	1.69	12.31	0.09	-13.61	0.04	16.26	0.13
50219.60	1.29	7.96	0.07	50100.45	0.53	12.73	0.08	—	—	16.38	0.03
50431.64	2.93	8.31	0.09	50324.71	0.35	12.66	0.04	-14.40	0.13	16.45	0.19
50657.15	3.26	8.00	0.09	50540.42	0.41	12.81	0.06	-15.22	0.05	14.52	0.03
50875.84	1.95	7.94	0.09	50761.64	2.43	12.51	0.13	-20.60	0.23	16.01	0.09
51091.12	2.89	8.13	0.08	50977.14	2.06	12.43	0.08	-22.13	0.12	17.44	0.14
51309.56	1.67	8.22	0.06	51203.25	0.47	12.59	0.06	-18.22	0.11	15.09	0.05

T UMa

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
22790.19	3.26	7.42	0.14	—	—	—	—	—	—	11.90	0.85
23054.03	2.25	8.61	0.99	—	—	—	—	—	—	17.39	1.01
23303.57	1.28	7.67	0.10	23213.51	1.19	13.48	0.53	-8.69	1.13	16.24	0.35
23570.34	0.83	8.35	0.23	—	—	—	—	-7.53	0.13	16.13	0.36

## T UMa (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
23825.93	1.46	6.85	0.12	—	—	—	—	-11.84	0.35	17.94	0.08
24091.64	2.59	8.26	0.12	23975.80	0.72	13.22	0.09	-9.85	0.20	19.17	0.14
24346.52	0.40	7.67	0.02	24219.76	0.55	13.20	0.09	-9.71	0.23	18.45	0.11
24602.94	0.69	8.45	0.03	—	—	—	—	-0.50	0.85	17.95	0.72
24855.60	0.83	6.95	0.07	24757.69	0.15	14.86	0.31	-9.58	0.12	18.57	0.11
25110.68	0.67	7.40	0.06	—	—	—	—	-6.45	0.08	14.33	4.36
25378.65	1.46	8.42	0.08	25307.72	0.05	13.06	0.18	-7.87	0.49	22.34	0.15
25619.54	0.73	6.59	0.05	—	—	—	—	-10.97	0.15	18.59	0.05
25883.30	1.68	8.34	0.06	25772.14	0.71	13.31	0.10	-10.80	0.22	20.91	0.18
26143.07	0.47	8.09	0.03	26021.46	0.55	13.51	0.11	-13.06	0.29	17.82	0.12
26383.85	2.16	7.87	0.11	26264.76	4.04	12.52	0.24	-15.49	0.63	17.72	0.18
26648.55	1.05	7.22	0.07	26524.59	1.19	13.07	0.11	-10.74	0.25	18.55	0.16
26909.41	0.70	9.12	0.04	26794.49	0.60	13.32	0.10	-13.88	0.46	—	—
27156.99	0.85	8.22	0.05	—	—	—	—	-10.56	0.76	17.25	0.26
27417.38	0.79	7.91	0.05	27291.34	0.67	13.17	0.16	-12.54	0.34	20.29	0.21
27677.43	0.34	7.31	0.02	27557.75	3.12	12.95	0.19	-13.13	0.16	19.98	0.19
27924.14	0.34	7.75	0.04	—	—	—	—	-6.59	0.09	31.43	0.18
28196.92	1.89	7.18	0.10	—	—	—	—	—	—	18.35	0.06
28452.89	1.74	8.07	0.07	—	—	—	—	-9.59	0.24	18.40	0.23
28713.91	1.30	7.78	0.09	28595.86	1.45	13.07	0.21	-5.71	0.12	17.07	0.33
28971.71	1.04	7.17	0.07	—	—	—	—	-10.00	0.30	21.14	0.08
29234.26	1.17	8.19	0.06	—	—	—	—	-10.30	0.08	20.57	0.22
29493.32	1.50	7.74	0.05	29372.62	2.81	13.06	0.17	-14.50	0.09	20.02	0.14
29741.46	0.62	7.81	0.24	—	—	—	—	-12.07	0.21	23.06	0.12
29997.55	2.23	6.76	0.14	29879.52	1.06	12.52	0.14	-10.29	1.49	26.33	0.63
30250.83	6.25	7.62	0.13	—	—	—	—	—	—	—	—
30519.56	1.36	7.94	0.08	—	—	—	—	-12.90	2.07	15.09	0.55
30767.56	4.38	7.92	0.07	—	—	—	—	—	—	—	—
31285.81	1.49	6.98	0.11	—	—	—	—	-8.65	0.37	19.40	0.28
31538.56	0.08	6.93	0.62	—	—	—	—	—	—	—	—
32326.48	0.94	7.53	0.25	—	—	—	—	-7.44	0.14	17.73	0.24
32595.73	2.50	8.12	0.04	—	—	—	—	—	—	—	—
32840.51	0.84	6.87	0.41	32741.18	6.89	11.96	0.49	—	—	—	—
33100.14	0.93	8.07	0.06	33001.14	1.58	12.77	0.75	-13.86	0.50	—	—
33346.81	1.22	7.47	0.07	—	—	—	—	-9.29	0.50	23.73	0.24
33607.34	7.60	7.74	0.27	—	—	—	—	—	—	—	—
33868.63	8.10	8.36	0.20	—	—	—	—	—	—	—	—
34108.68	1.07	6.66	0.09	—	—	—	—	-6.08	0.88	19.42	0.35
34634.35	2.04	7.32	0.14	—	—	—	—	—	—	—	—
34899.35	0.78	8.49	0.05	—	—	—	—	—	—	—	—
35412.87	1.98	8.06	0.07	—	—	—	—	—	—	—	—
35656.34	1.63	7.65	0.11	—	—	—	—	—	—	—	—
35918.67	0.95	7.17	0.05	—	—	—	—	-16.36	0.91	13.85	1.22
36422.99	0.90	7.76	0.17	—	—	—	—	—	—	—	—
36683.64	0.75	7.68	0.17	—	—	—	—	—	—	—	—
36935.42	0.36	6.66	0.09	—	—	—	—	-9.54	0.36	23.66	0.53
37193.46	3.81	7.11	0.52	37133.43	0.31	13.00	0.20	—	—	—	—
37446.22	0.87	7.20	0.36	37335.26	1.82	13.33	0.19	-9.03	0.37	15.00	0.17
37714.36	1.94	7.92	0.14	37594.38	1.69	13.13	0.19	—	—	15.43	0.13
37971.11	1.03	7.81	0.10	37844.84	1.20	13.36	0.14	—	—	—	—
38217.25	1.39	6.85	0.75	—	—	—	—	-5.18	0.31	14.68	0.21
38471.35	1.18	8.29	0.06	—	—	—	—	—	—	13.09	0.34
38713.20	1.30	7.99	0.27	38599.47	2.02	13.04	0.19	—	—	—	—
38972.39	1.25	7.32	0.07	38874.97	1.70	12.97	0.22	-10.47	0.23	24.90	0.44



## T UMa (continuation)

Max				Min				asc. branch		desc. branch	
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$dt/dm$	$\sigma_{(dt/dm)}$	$dt/dm$	$\sigma_{(dt/dm)}$
39225.46	1.47	8.13	0.07	—	—	—	—	-10.17	0.55	21.37	0.11
39477.23	2.20	7.54	0.11	—	—	—	—	-10.71	0.33	18.12	0.06
39732.94	1.34	7.43	0.07	39616.19	0.35	12.68	0.06	-8.73	0.14	18.75	0.09
39977.31	0.47	7.27	0.04	39882.44	0.27	13.04	0.08	-7.61	0.04	23.07	0.10
40232.15	0.70	6.74	0.07	40131.82	0.07	12.66	0.09	-13.02	0.09	18.62	0.03
40488.25	0.60	6.91	0.06	40387.03	0.69	12.94	0.06	-5.13	0.06	16.19	0.08
40747.02	0.71	7.13	0.07	40634.59	0.43	13.26	0.10	-6.53	0.09	13.99	0.10
41007.80	0.88	8.18	0.05	—	—	—	—	-10.18	0.16	16.46	0.06
41257.36	1.23	6.84	0.08	41136.98	0.28	13.09	0.05	-10.57	0.07	15.24	0.12
41525.83	0.54	8.15	0.03	41403.27	0.50	13.21	0.10	-8.98	0.09	16.23	0.39
41777.11	0.39	7.85	0.02	41677.15	0.48	13.38	0.21	-6.60	0.08	22.47	0.05
42021.96	1.39	7.14	0.08	41902.89	0.62	12.00	0.07	-18.47	0.16	18.19	0.05
42283.09	0.48	7.74	0.03	42169.49	1.42	12.91	0.10	-7.78	0.09	19.15	0.17
42528.28	0.52	7.40	0.11	42433.70	0.36	13.15	0.08	-7.37	0.04	23.15	0.05
42782.41	1.16	7.12	0.08	—	—	—	—	-10.07	0.33	17.43	0.04
43037.20	0.82	7.64	0.10	42936.50	0.29	13.32	0.05	-7.89	0.10	17.08	0.17
43302.76	0.73	7.46	0.05	43193.63	0.39	13.83	0.11	-7.46	0.08	17.52	0.08
43556.78	0.42	8.03	0.03	43444.20	0.50	13.23	0.10	-8.07	0.14	19.87	0.04
43811.95	1.16	7.22	0.09	43695.26	0.40	13.15	0.07	-10.01	0.08	20.28	0.14
44085.89	1.11	7.56	0.06	43970.71	0.45	13.14	0.09	-10.77	0.09	17.36	0.28
44350.93	0.99	8.02	0.05	44242.30	0.45	13.11	0.12	-10.10	0.08	20.13	0.23
44604.89	0.85	6.82	0.06	44497.23	1.37	13.23	0.14	-9.33	0.08	19.05	0.05
44870.28	2.15	8.18	0.10	44760.05	0.36	13.42	0.07	-9.46	0.33	17.01	0.19
45122.87	0.68	7.52	0.04	45001.85	0.41	12.90	0.04	-12.62	0.05	18.77	0.05
45366.72	0.67	7.47	0.05	—	—	—	—	-9.23	0.13	22.57	0.03
45624.84	0.79	6.57	0.07	45519.62	0.20	13.07	0.04	-9.31	0.08	17.01	0.07
45882.59	0.31	7.92	0.03	45776.17	0.38	13.41	0.07	-9.46	0.05	17.18	0.10
46142.41	0.41	7.73	0.03	46019.08	0.53	13.39	0.13	-8.24	0.06	17.21	0.04
46403.36	0.62	7.97	0.05	46278.25	0.60	13.02	0.07	-8.71	0.19	20.78	0.08
46639.31	0.41	7.42	0.04	46536.60	0.26	12.68	0.04	-9.05	0.08	22.22	0.21
46905.23	0.26	7.90	0.02	46793.02	0.60	12.94	0.07	-11.13	0.06	16.56	0.04
47154.50	0.41	7.05	0.03	47033.67	0.32	12.93	0.05	-12.31	0.14	16.36	0.04
47418.64	0.31	8.23	0.03	47303.46	0.39	13.63	0.05	-8.42	0.05	13.52	0.14
47679.29	0.25	7.96	0.02	47561.19	0.43	13.64	0.07	-8.89	0.06	16.76	0.06
47923.34	1.27	7.65	0.06	47801.67	0.47	12.50	0.04	-13.24	0.16	20.62	0.02
48188.32	0.25	7.29	0.03	48074.13	0.28	13.18	0.05	-8.90	0.08	17.35	0.06
48451.82	0.35	8.37	0.03	48336.26	0.30	13.64	0.06	-7.96	0.08	14.10	0.10
48703.65	0.31	7.58	0.02	—	—	—	—	-8.46	0.11	19.48	0.03
48963.74	0.81	8.08	0.04	48847.87	0.69	13.18	0.07	-7.69	0.20	17.91	0.05
49217.30	0.72	7.38	0.04	49100.75	0.37	13.18	0.04	-10.78	0.05	20.78	0.24
49466.77	0.37	7.39	0.03	49381.73	0.42	13.15	0.07	-6.37	0.02	20.26	0.03
49733.99	0.19	6.96	0.02	49611.76	0.37	13.02	0.06	-9.86	0.10	17.39	0.01
49977.30	0.36	8.08	0.03	49884.88	0.32	13.65	0.06	-7.92	0.06	16.77	0.12
50246.29	0.16	7.45	0.02	50136.10	0.50	13.39	0.06	-9.90	0.03	20.07	0.02
50511.67	0.42	7.93	0.02	50396.62	0.17	13.40	0.04	-9.49	0.04	20.73	0.03
50764.07	0.19	7.24	0.02	50650.66	0.28	12.88	0.04	-9.40	0.02	19.00	0.03
51021.68	0.23	6.92	0.02	50905.91	1.35	12.84	0.08	-10.91	0.03	13.85	0.02
51277.94	0.33	8.49	0.02	51163.50	0.76	13.17	0.07	-5.66	0.13	17.46	0.02

## S Aql

Max				Min			
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$
25105.60	23.10	9.36	0.11	—	—	—	—
25213.80	2.50	9.45	0.16	25174.90	3.90	11.68	0.17
25401.40	2.90	9.44	0.11	—	—	—	—
25549.00	6.60	9.46	0.35	25497.90	6.20	11.54	0.33
25690.90	0.20	9.02	0.07	25602.40	1.70	11.78	0.11
—	—	—	—	25751.50	7.10	11.48	0.12
25977.30	23.60	9.17	0.12	25901.90	3.90	11.51	0.06
26116.80	3.70	9.10	0.08	—	—	—	—
26259.60	2.10	9.28	0.06	26186.80	2.80	11.97	0.03
26427.10	7.90	9.35	0.19	26346.60	23.30	11.71	0.33
26551.80	1.60	9.36	0.04	26496.40	2.50	11.91	0.05
—	—	—	—	26637.10	8.90	11.40	0.07
26878.90	3.70	9.29	0.04	—	—	—	—
27006.00	9.10	9.18	0.17	26950.70	2.90	12.07	0.16
27302.20	3.60	9.14	0.08	—	—	—	—
—	—	—	—	27366.40	3.80	11.65	0.09
27736.10	6.20	9.01	0.17	—	—	—	—
28046.90	5.20	8.86	0.07	—	—	—	—
28470.70	3.50	9.36	0.05	28406.40	5.70	12.15	0.12
28615.60	2.40	9.18	0.08	28542.30	5.00	11.99	0.20
28774.60	5.20	9.17	0.08	28695.70	3.80	11.39	0.14
28919.70	3.80	9.33	0.05	28833.00	3.10	11.99	0.10
29198.30	3.60	9.27	0.05	29129.90	3.30	12.47	0.14
29498.70	9.10	9.21	0.18	—	—	—	—
—	—	—	—	29564.70	6.40	12.04	0.15
29929.80	3.60	9.83	0.11	29847.80	4.80	12.22	0.09
30230.20	7.20	9.96	0.04	—	—	—	—
—	—	—	—	30306.30	3.40	11.77	0.14
30659.80	6.00	9.65	0.04	—	—	—	—
30963.40	5.80	9.85	0.04	—	—	—	—
31094.80	8.00	9.23	0.20	31044.60	12.40	11.87	0.30
31281.10	13.00	10.29	0.26	—	—	—	—
31415.60	1.00	9.86	0.05	31349.70	13.10	12.23	0.18
32709.30	3.10	9.52	0.08	—	—	—	—
32852.40	26.50	9.85	0.09	—	—	—	—
33604.30	3.10	9.19	0.04	—	—	—	—
33729.40	5.60	9.24	0.10	—	—	—	—
—	—	—	—	34234.10	7.40	11.14	0.20
37993.40	17.60	9.44	0.17	37915.70	8.80	11.24	0.23
38276.90	11.00	9.30	0.06	—	—	—	—
39750.10	2.70	9.16	0.12	39696.80	2.30	11.52	0.10
40049.50	19.90	9.24	0.09	—	—	—	—
—	—	—	—	40130.60	3.10	11.86	0.07
40341.80	3.80	8.89	0.17	—	—	—	—
40484.10	2.40	9.25	0.09	40439.50	3.20	10.99	0.11
40776.80	2.80	9.23	0.05	—	—	—	—
—	—	—	—	40876.20	6.20	11.44	0.16
41099.70	7.70	9.28	0.09	—	—	—	—
41230.90	8.90	9.35	0.10	41156.70	3.30	11.18	0.08
—	—	—	—	41294.90	4.60	11.18	0.17
41517.40	27.00	9.11	0.14	—	—	—	—
—	—	—	—	41602.20	10.50	11.95	0.24
41821.40	7.50	9.40	0.05	—	—	—	—
42248.90	5.30	8.73	0.07	—	—	—	—
42378.40	9.10	9.31	0.14	42332.00	2.00	11.32	0.14

## S Aql (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
42687.30	3.70	9.32	0.05	42614.80	3.90	11.76	0.14
—	—	—	—	42756.30	3.80	11.77	0.06
42983.10	4.00	9.52	0.06	—	—	—	—
—	—	—	—	43086.50	4.20	11.35	0.10
43406.90	1.60	9.28	0.04	43331.40	11.40	11.33	0.12
43738.30	22.10	9.63	0.07	—	—	—	—
—	—	—	—	43812.20	4.30	11.12	0.09
44037.90	2.80	9.77	0.05	—	—	—	—
44151.20	3.00	9.33	0.04	44092.80	6.50	11.24	0.10
44453.50	2.00	9.13	0.05	—	—	—	—
—	—	—	—	44545.80	5.10	11.85	0.07
44772.00	6.20	9.15	0.08	—	—	—	—
44919.20	3.10	9.55	0.06	44841.30	4.10	11.85	0.06
45187.40	5.60	9.49	0.08	45128.00	2.60	11.69	0.10
45321.20	3.20	9.47	0.11	45257.50	2.80	11.71	0.05
45488.30	8.10	9.82	0.21	—	—	—	—
—	—	—	—	45539.70	10.80	11.11	0.09
45651.10	3.20	9.38	0.06	—	—	—	—
45798.50	5.60	9.11	0.13	—	—	—	—
45925.60	2.60	9.86	0.06	45857.50	5.70	11.73	0.13
46061.30	1.70	9.36	0.12	46003.30	3.80	11.79	0.06
46233.90	8.20	9.55	0.10	—	—	—	—
46356.60	2.50	9.35	0.04	46300.20	3.20	11.33	0.07
46513.90	3.80	9.26	0.13	—	—	—	—
46671.20	2.30	9.42	0.04	46620.60	4.20	10.92	0.08
46812.20	2.20	9.32	0.07	46729.80	3.70	10.80	0.04
46946.40	6.50	9.56	0.05	46862.10	5.10	11.26	0.20
47090.10	2.70	9.52	0.03	47041.10	2.40	10.60	0.05
47286.90	13.40	9.48	0.15	—	—	—	—
47389.10	1.40	9.33	0.04	47337.40	2.30	11.64	0.09
47531.40	4.60	9.38	0.10	47485.40	4.10	11.27	0.07
47695.10	7.30	9.47	0.09	47616.40	1.60	11.80	0.31
47834.30	3.00	9.27	0.05	47757.50	2.30	11.30	0.07
47989.40	3.50	9.78	0.09	—	—	—	—
48136.70	4.40	9.52	0.03	48056.60	2.10	11.50	0.04
48424.40	4.50	9.44	0.08	—	—	—	—
48567.90	2.00	9.43	0.04	48501.70	2.40	11.90	0.05
48863.00	1.80	9.15	0.03	48786.90	2.50	11.72	0.12
—	—	—	—	48934.60	2.60	11.91	0.07
49159.00	2.90	9.70	0.09	—	—	—	—
49299.10	2.30	9.43	0.05	49220.80	3.30	11.76	0.05
49592.80	3.10	9.61	0.07	49512.00	9.40	11.41	0.22
—	—	—	—	49656.40	5.40	11.16	0.07
49877.30	3.60	9.41	0.05	—	—	—	—
50033.50	2.10	9.39	0.04	49979.70	3.40	10.41	0.03
50319.20	2.80	9.27	0.05	50270.40	0.90	11.56	0.09
50499.20	4.40	9.85	0.12	50416.20	2.10	12.09	0.13
50617.50	3.50	9.24	0.05	50553.20	4.40	12.21	0.08
50757.20	4.50	9.79	0.03	50690.60	1.60	11.92	0.04
50909.10	1.60	9.49	0.06	50817.90	1.80	11.34	0.11
51023.90	3.00	9.29	0.04	50968.50	3.80	10.96	0.12
51205.20	7.70	9.52	0.27	51113.40	3.80	10.49	0.05
51334.30	1.80	8.99	0.04	51258.50	5.20	10.77	0.12

## T Ari

Max				Min			
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$
24274.40	7.80	7.94	0.13	24107.10	9.00	11.11	0.08
24544.30	10.20	8.69	0.09	24421.60	8.80	10.70	0.14
—	—	—	—	24727.30	4.50	10.99	0.07
25242.80	7.70	8.46	0.04	—	—	—	—
25545.60	8.60	8.57	0.04	—	—	—	—
25901.00	24.50	8.54	0.06	—	—	—	—
26230.90	34.70	8.57	0.04	—	—	—	—
26563.70	12.80	8.53	0.10	—	—	—	—
26879.40	5.80	7.93	0.07	26721.80	13.10	10.38	0.14
—	—	—	—	27039.80	6.90	10.90	0.07
—	—	—	—	27358.80	10.00	10.29	0.10
28169.80	10.80	8.55	0.03	—	—	—	—
28495.30	12.80	8.45	0.05	—	—	—	—
28798.50	32.50	8.42	0.11	—	—	—	—
29147.20	12.40	8.34	0.10	—	—	—	—
—	—	—	—	29329.90	6.00	10.78	0.09
—	—	—	—	29649.70	20.00	10.88	0.18
—	—	—	—	29973.60	9.20	11.11	0.11
30773.10	11.30	8.05	0.08	—	—	—	—
31078.40	46.00	8.40	0.10	—	—	—	—
31420.10	11.60	8.35	0.07	—	—	—	—
—	—	—	—	32238.70	9.10	11.01	0.07
—	—	—	—	32531.80	8.40	10.73	0.07
33013.90	13.80	8.32	0.08	32839.30	16.80	10.57	0.09
33982.60	25.10	8.17	0.14	—	—	—	—
34303.90	14.20	8.13	0.18	—	—	—	—
—	—	—	—	34793.60	9.30	11.17	0.08
36199.10	12.10	8.03	0.11	—	—	—	—
36847.50	10.30	8.19	0.09	—	—	—	—
37179.90	30.90	8.49	0.11	—	—	—	—
37487.10	31.80	8.54	0.14	37339.40	9.00	10.35	0.09
—	—	—	—	37668.60	6.10	10.52	0.07
—	—	—	—	37975.40	4.50	10.61	0.06
—	—	—	—	38292.90	6.00	10.76	0.06
38763.70	6.40	8.62	0.05	—	—	—	—
39104.80	4.70	8.40	0.04	—	—	—	—
39419.20	3.30	8.18	0.04	—	—	—	—
39719.80	6.90	8.09	0.06	—	—	—	—
—	—	—	—	39888.10	4.30	10.43	0.03
—	—	—	—	40219.90	6.50	10.25	0.03
—	—	—	—	40530.30	3.30	10.39	0.03
40988.00	6.10	8.71	0.02	—	—	—	—
41299.50	6.90	8.54	0.04	—	—	—	—
41650.40	9.50	8.61	0.05	—	—	—	—
41933.90	11.90	8.43	0.09	—	—	—	—
—	—	—	—	42418.20	3.20	9.91	0.03
—	—	—	—	42757.40	4.70	10.01	0.04
43171.30	4.60	8.61	0.05	43042.60	4.30	10.14	0.07
43534.10	16.90	8.56	0.03	—	—	—	—
43827.50	8.20	8.61	0.03	—	—	—	—
—	—	—	—	44652.50	9.10	10.10	0.07
—	—	—	—	44973.60	4.60	10.33	0.05
—	—	—	—	45283.10	4.20	10.60	0.04
45755.00	7.60	8.55	0.07	45621.20	3.90	10.47	0.05
46122.90	12.70	8.42	0.06	45933.20	9.50	10.84	0.12

## T Ari (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
46423.80	4.20	8.26	0.03	46241.50	5.20	10.57	0.12
46737.20	3.00	8.23	0.03	—	—	—	—
47064.90	9.60	8.54	0.03	—	—	—	—
47424.30	5.10	8.54	0.03	47262.70	5.10	10.55	0.08
47709.40	6.10	8.31	0.07	47564.10	3.70	10.31	0.04
—	—	—	—	47881.80	2.90	10.32	0.03
—	—	—	—	48201.60	3.80	10.31	0.04
48668.40	8.80	8.36	0.04	48523.90	5.10	10.47	0.06
48994.10	5.90	8.45	0.03	—	—	—	—
49305.30	5.20	8.53	0.03	—	—	—	—
49635.10	5.10	8.55	0.02	—	—	—	—
49958.80	9.60	8.47	0.03	—	—	—	—
50272.80	8.90	8.52	0.05	50152.50	1.90	10.56	0.03
—	—	—	—	50449.90	2.30	10.65	0.03
—	—	—	—	50784.60	2.80	10.85	0.03
51283.10	5.40	8.10	0.05	51103.10	2.90	10.79	0.04

## S Cam

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
23078.60	10.20	8.59	0.08	22895.80	6.60	10.26	0.06
23410.10	11.40	8.58	0.04	23225.50	6.90	10.83	0.06
23734.80	8.00	8.43	0.03	23550.90	5.00	10.15	0.07
24068.50	10.70	8.52	0.04	23881.70	4.30	10.28	0.05
24389.70	7.10	8.50	0.03	24197.90	2.50	10.65	0.06
24677.30	7.30	8.40	0.05	24539.20	6.80	9.96	0.06
25065.90	21.80	8.39	0.05	24879.10	3.90	10.47	0.07
25407.50	8.00	8.46	0.04	25196.00	4.10	10.61	0.07
25726.50	7.10	8.32	0.03	25532.90	1.80	10.44	0.04
26045.50	10.70	8.60	0.04	25849.50	4.90	9.79	0.06
26362.30	13.80	8.58	0.04	26182.20	4.60	10.01	0.05
26668.10	30.70	8.57	0.03	26499.90	4.60	10.14	0.06
26991.00	19.40	8.62	0.04	26823.50	3.60	10.08	0.06
27258.90	9.60	8.47	0.05	27135.90	3.80	9.89	0.05
27598.00	5.30	8.23	0.04	27447.50	7.70	9.85	0.06
27942.90	8.00	8.27	0.03	27771.70	10.60	9.78	0.05
28294.50	12.40	8.31	0.05	28093.00	5.20	9.71	0.04
28625.30	12.70	8.31	0.05	28434.10	3.80	10.28	0.04
28940.00	7.90	8.39	0.04	28776.70	4.30	10.32	0.09
29247.60	7.80	8.31	0.04	29085.80	6.20	10.18	0.07
29586.90	10.50	8.38	0.06	29391.80	6.20	9.76	0.05
30259.70	19.20	8.47	0.07	—	—	—	—
—	—	—	—	30426.40	10.40	10.63	0.09
30872.40	55.40	8.60	0.07	30744.50	4.90	10.11	0.07
31192.50	6.10	8.42	0.07	—	—	—	—

## S Cam (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
—	—	—	—	32686.20	5.80	10.56	0.07
—	—	—	—	33629.10	3.90	9.97	0.05
34092.20	6.40	8.61	0.04	—	—	—	—
36760.50	8.30	8.76	0.04	36597.50	5.80	10.58	0.05
37070.60	10.20	8.82	0.09	36945.40	5.60	10.45	0.04
37451.10	14.60	8.72	0.07	37295.20	15.90	10.24	0.20
37772.50	2.80	8.58	0.10	37605.90	12.80	10.05	0.07
—	—	—	—	37929.40	6.90	10.68	0.07
38457.40	11.60	8.63	0.09	—	—	—	—
39126.20	23.00	8.86	0.08	—	—	—	—
39730.40	8.30	8.48	0.09	—	—	—	—
—	—	—	—	39946.80	35.10	9.97	0.09
41415.90	55.90	8.71	0.09	41237.70	4.10	10.41	0.11
41690.10	16.20	8.72	0.09	41539.80	6.10	10.02	0.09
42060.30	20.30	8.42	0.06	—	—	—	—
42370.60	12.10	8.50	0.06	—	—	—	—
42704.20	6.50	8.40	0.05	42522.60	11.10	10.43	0.10
43015.30	22.60	8.43	0.05	42855.80	5.70	10.53	0.06
43346.10	9.20	8.50	0.06	43195.90	10.20	10.19	0.06
43666.40	7.70	8.48	0.09	43526.40	21.80	10.34	0.15
43984.20	12.10	8.39	0.05	43857.10	7.70	10.01	0.06
44322.00	5.10	8.30	0.04	44160.00	16.40	9.44	0.05
44654.50	8.60	8.32	0.04	44500.80	26.70	9.56	0.07
44988.20	13.40	8.43	0.06	44803.20	2.20	9.95	0.07
45324.20	15.30	8.48	0.05	45158.60	27.20	9.94	0.15
45647.50	11.30	8.49	0.03	45469.50	3.40	10.31	0.05
45991.10	11.10	8.75	0.06	45806.30	4.80	10.89	0.05
46306.10	10.50	8.68	0.05	46130.20	5.40	10.68	0.06
46640.80	7.40	8.59	0.06	46441.30	4.50	10.27	0.05
46941.30	18.50	8.82	0.03	46775.60	3.30	10.37	0.04
47263.40	13.30	8.63	0.04	47107.70	10.80	10.02	0.05
47589.30	7.20	8.36	0.05	47445.60	6.30	10.16	0.05
47934.70	7.70	8.48	0.02	47739.80	27.30	10.25	0.13
48248.50	9.40	8.46	0.03	48088.70	5.20	9.80	0.12
48585.80	11.60	8.56	0.05	—	—	—	—
48925.50	7.20	8.55	0.05	48726.80	10.00	10.38	0.09
49234.90	27.80	8.59	0.05	49057.10	6.50	10.55	0.05
49564.40	5.40	8.56	0.04	49389.80	10.60	10.21	0.09
49891.60	9.20	8.67	0.01	49722.40	2.60	10.50	0.03
50226.20	10.90	8.44	0.03	50056.00	3.60	10.45	0.03
50536.80	5.40	8.40	0.03	50396.10	3.00	10.40	0.04
50919.40	56.20	8.75	0.03	50722.90	5.00	10.26	0.03
51214.20	20.30	8.62	0.03	51054.80	4.20	10.39	0.07
51511.10	12.00	8.41	0.08	51379.10	3.30	10.28	0.05

## V Boo

Max				Min			
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$
23145.50	6.60	7.18	0.06	—	—	—	—
—	—	—	—	23286.00	2.50	10.82	0.06
23669.70	8.10	7.82	0.04	23538.20	4.60	10.92	0.05
23939.40	12.50	7.96	0.05	23795.80	2.80	10.69	0.16
—	—	—	—	24073.90	2.90	11.08	0.16
24445.40	3.00	7.75	0.02	24333.60	2.30	10.69	0.08
24705.90	1.90	7.51	0.02	24590.30	3.10	9.98	0.04
24958.80	1.70	7.16	0.03	24856.00	2.70	10.38	0.22
25219.00	3.10	7.68	0.04	25068.20	5.50	9.84	0.06
25476.50	2.10	7.54	0.02	25340.30	4.50	10.61	0.07
25744.60	3.70	7.90	0.03	25594.70	3.00	10.69	0.13
25999.30	3.70	7.96	0.04	25864.80	3.40	10.36	0.10
26247.00	3.00	7.66	0.03	26148.20	3.80	10.23	0.05
26503.70	3.20	7.90	0.03	26392.40	5.70	10.58	0.07
26769.70	3.00	7.84	0.03	26677.30	4.20	9.56	0.13
27040.10	4.90	7.70	0.07	26920.10	6.40	9.61	0.05
27299.50	2.50	7.74	0.03	27139.30	6.10	9.39	0.04
27557.40	3.60	8.01	0.03	27398.60	6.00	9.53	0.06
27814.70	14.00	8.25	0.05	27668.00	3.50	9.78	0.04
28078.70	4.30	7.91	0.03	27920.00	2.70	9.67	0.03
28344.00	2.60	8.05	0.05	28181.90	3.10	9.95	0.12
28595.10	4.60	8.10	0.04	28444.70	5.40	10.61	0.06
28830.20	4.90	8.01	0.04	28712.30	2.90	10.54	0.05
29085.30	3.30	7.77	0.04	28965.30	3.90	10.40	0.05
29342.00	1.90	7.55	0.03	29246.60	4.20	9.75	0.09
29610.70	5.30	7.60	0.09	29444.50	4.80	9.52	0.06
29857.10	7.20	7.88	0.04	29736.50	5.50	10.02	0.04
30130.90	8.60	8.00	0.05	29992.50	9.20	9.92	0.15
—	—	—	—	30255.20	3.40	10.27	0.10
30620.10	4.30	7.82	0.03	30513.40	2.60	10.19	0.05
30878.50	5.40	7.59	0.06	30782.40	7.20	9.93	0.19
—	—	—	—	31323.20	5.40	9.74	0.08
31932.20	9.10	7.75	0.05	—	—	—	—
32420.60	8.60	8.08	0.06	32320.10	2.00	10.83	0.17
32731.00	6.90	7.82	0.06	32574.20	12.30	10.44	0.19
—	—	—	—	33104.80	6.50	9.90	0.08
33463.50	7.00	8.16	0.05	33347.10	40.50	9.90	0.16
33729.50	7.50	7.83	0.10	—	—	—	—
34244.10	7.50	7.64	0.08	—	—	—	—
34502.30	12.40	7.88	0.17	—	—	—	—
—	—	—	—	34615.50	6.70	10.42	0.15
34987.50	1.30	7.74	0.14	34883.50	9.10	9.87	0.09
36041.40	11.80	8.38	0.05	—	—	—	—
—	—	—	—	36435.80	5.30	10.09	0.10
36788.60	4.00	7.45	0.10	36689.60	2.70	10.39	0.06
—	—	—	—	36954.50	9.00	10.02	0.09
—	—	—	—	37499.00	7.70	9.69	0.09
37845.70	6.40	8.09	0.07	37748.70	5.70	9.59	0.07
38093.10	11.90	7.85	0.14	37981.60	4.60	9.84	0.04
38365.20	5.20	7.66	0.09	38219.10	4.20	9.91	0.06
38624.40	6.70	7.70	0.06	38487.60	8.70	10.13	0.09
38851.60	9.70	8.29	0.08	—	—	—	—
39356.40	2.80	7.70	0.05	39257.90	3.40	9.65	0.04
39603.90	4.10	7.78	0.03	39504.60	5.50	9.48	0.06
39863.70	10.10	7.91	0.05	39751.00	6.80	9.35	0.04

## V Boo (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
40123.10	6.90	7.88	0.04	40005.70	2.20	9.74	0.04
40406.50	6.70	8.16	0.03	40255.70	3.10	9.86	0.06
40672.10	7.00	8.10	0.04	40529.00	10.90	9.89	0.11
40888.30	3.50	7.75	0.07	40793.40	2.40	10.17	0.05
41148.30	2.70	8.08	0.02	41055.70	2.20	9.91	0.03
41428.50	3.00	8.07	0.02	41310.20	6.10	9.62	0.07
41678.20	7.30	7.93	0.05	41553.60	8.80	9.32	0.03
41963.50	5.10	8.10	0.04	41794.30	3.60	9.50	0.02
42230.60	5.50	8.18	0.04	42059.40	5.30	9.59	0.05
42473.90	7.20	8.28	0.03	42326.90	3.80	9.52	0.05
42708.60	6.20	8.20	0.05	42591.40	2.70	9.52	0.02
42962.60	2.00	7.88	0.03	42850.00	9.60	9.46	0.03
43232.90	2.10	7.78	0.03	43129.40	3.30	9.38	0.05
43492.90	4.90	8.02	0.11	43382.40	5.30	9.01	0.03
43753.30	1.40	7.73	0.03	43662.40	2.70	9.39	0.03
44015.80	2.10	7.91	0.03	43923.00	5.20	9.30	0.03
44260.80	7.40	8.18	0.05	44115.40	7.00	9.24	0.04
44542.20	5.30	8.30	0.05	44370.20	4.20	9.39	0.03
44809.70	6.00	8.11	0.03	44641.50	6.90	9.28	0.06
45000.00	4.10	8.15	0.03	44923.20	4.90	9.32	0.06
45302.30	6.50	8.12	0.07	45192.70	2.10	9.79	0.03
45544.00	2.40	8.23	0.03	45456.00	1.90	9.67	0.02
45907.20	2.10	8.13	0.02	45715.00	3.70	9.61	0.06
46092.80	18.90	8.47	0.06	46001.00	3.00	9.31	0.04
46363.10	6.80	8.49	0.03	46262.10	4.00	9.11	0.02
46599.60	2.70	8.36	0.02	46509.90	3.60	9.33	0.03
46861.50	2.30	8.09	0.03	46782.50	8.40	9.07	0.04
47004.80	3.60	8.78	0.02	46943.60	1.60	9.17	0.02
47135.40	7.40	8.32	0.05	47053.10	3.70	8.92	0.02
47260.20	2.30	8.74	0.02	47200.90	3.30	9.24	0.05
47386.50	2.30	8.15	0.02	47310.20	2.70	9.02	0.02
47543.90	17.80	8.84	0.03	47482.90	5.30	9.10	0.04
47665.30	2.40	8.31	0.02	47570.90	7.10	8.87	0.03
47837.50	3.90	8.46	0.04	47757.80	2.20	9.43	0.02
47955.50	3.90	8.59	0.02	47891.20	4.20	8.87	0.04
48099.30	1.90	8.32	0.02	48021.80	3.40	8.88	0.02
48215.60	4.30	8.57	0.04	48173.30	5.00	8.71	0.03
48326.00	30.80	8.98	0.02	48287.30	6.90	9.03	0.02
48414.40	2.80	8.65	0.02	48287.30	6.90	9.03	0.02
48555.10	5.80	8.26	0.04	48473.80	2.30	9.00	0.02
48656.50	3.00	8.37	0.04	48610.50	5.70	8.92	0.08
48807.60	2.50	8.63	0.03	48734.20	2.20	9.37	0.02
48924.10	2.90	8.45	0.05	48858.70	1.70	8.93	0.02
49174.10	3.40	8.27	0.02	48997.00	6.60	9.13	0.04
49397.00	8.10	8.46	0.03	49287.40	9.80	9.09	0.04
49693.00	3.20	8.39	0.04	49545.10	3.30	9.19	0.02
49964.40	2.00	8.08	0.02	49806.00	2.10	9.21	0.01
50206.30	3.40	8.36	0.02	50063.90	2.70	9.13	0.03
50474.80	6.00	8.33	0.03	50329.60	3.20	9.22	0.01
50749.70	5.40	8.40	0.02	50582.20	2.20	9.29	0.02
51001.70	2.50	8.31	0.01	50842.50	2.50	9.33	0.02
51263.90	2.90	8.30	0.02	51106.60	3.50	9.27	0.02
51424.50	4.00	8.42	0.02	51346.60	1.40	9.28	0.02



## V CVn

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
25481.80	3.50	6.80	0.04	—	—	—	—
—	—	—	—	25613.30	7.60	7.75	0.04
26081.10	4.50	7.07	0.04	26000.00	6.00	8.11	0.06
—	—	—	—	26195.80	8.70	8.15	0.06
26489.70	9.40	7.16	0.05	—	—	—	—
26815.00	6.50	7.37	0.07	26754.90	15.60	8.09	0.09
27792.30	21.00	6.94	0.14	—	—	—	—
28020.00	3.70	7.21	0.05	—	—	—	—
28601.70	3.30	7.05	0.07	—	—	—	—
28766.60	12.40	7.34	0.10	28695.60	3.20	8.43	0.06
29307.00	7.80	7.28	0.06	29242.80	6.20	8.34	0.09
29474.40	11.90	7.45	0.21	29421.10	8.10	8.19	0.06
29551.00	15.00	7.61	0.07	29516.60	35.10	7.74	0.06
29737.80	14.20	7.65	0.03	29624.40	29.70	8.07	0.05
29932.20	9.40	7.60	0.03	29813.20	4.00	8.35	0.09
—	—	—	—	30787.90	15.30	8.13	0.13
—	—	—	—	30913.70	6.30	7.74	0.06
31450.70	15.60	7.22	0.08	—	—	—	—
31647.30	76.00	6.86	0.14	31526.00	11.50	8.03	0.10
—	—	—	—	31938.50	2.70	8.11	0.06
32400.10	18.00	7.51	0.14	32331.90	2.10	8.72	0.13
—	—	—	—	33123.20	8.10	8.70	0.13
33392.50	17.90	7.23	0.12	—	—	—	—
—	—	—	—	33508.50	3.70	8.37	0.08
—	—	—	—	35578.90	11.10	8.53	0.14
—	—	—	—	35942.30	5.90	8.85	0.07
37032.00	3.70	6.76	0.19	—	—	—	—
—	—	—	—	38256.60	0.60	8.23	0.08
38559.40	2.10	7.08	0.08	38443.20	4.00	8.18	0.04
38900.90	3.80	6.81	0.09	—	—	—	—
39298.40	4.00	7.02	0.05	39180.50	16.20	8.38	0.11
39693.40	13.00	7.23	0.08	39592.10	7.80	8.37	0.09
39882.50	12.00	7.67	0.10	—	—	—	—
40036.20	5.20	7.25	0.05	39957.00	10.20	8.29	0.06
40895.60	7.60	7.01	0.05	—	—	—	—
41102.80	4.70	7.22	0.04	40978.90	10.20	7.81	0.05
41293.80	10.20	7.08	0.06	41169.90	4.70	7.79	0.03
41400.30	6.40	7.73	0.03	41363.70	6.60	7.83	0.04
41490.30	6.50	7.23	0.05	41363.70	6.60	7.83	0.04
41671.20	1.00	6.72	0.03	41550.80	12.80	7.82	0.06
41850.30	3.80	6.78	0.06	41785.00	10.90	8.02	0.13
—	—	—	—	41903.80	4.50	7.77	0.06
42216.00	9.00	6.92	0.08	42138.60	13.40	7.96	0.20
42609.90	39.20	7.09	0.06	42493.40	5.20	8.54	0.10
42970.90	17.60	7.05	0.06	42880.30	0.90	8.16	0.23
43159.30	9.90	6.76	0.08	43085.80	2.50	8.32	0.05
43340.40	19.00	7.05	0.11	43271.80	10.00	8.20	0.09
43553.30	12.70	7.10	0.05	43458.40	5.10	8.27	0.12
43744.90	38.50	7.17	0.10	43637.80	7.70	8.31	0.11
43943.60	5.50	7.26	0.05	43836.50	8.80	8.37	0.05
44123.60	19.80	7.04	0.15	44018.30	6.60	8.34	0.04
44329.60	6.30	6.90	0.05	44220.90	6.30	8.67	0.07
44529.70	9.80	7.15	0.09	44417.20	3.00	8.55	0.06
44691.50	11.90	7.01	0.04	44599.50	1.40	8.35	0.04
44914.70	10.10	7.03	0.07	44798.90	6.90	7.84	0.06

## V CVn (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
45094.30	4.90	7.02	0.04	44982.60	1.60	8.18	0.07
45277.80	3.80	6.85	0.05	45181.80	3.40	8.16	0.06
45453.80	3.00	6.95	0.05	45384.30	4.20	8.40	0.08
45648.20	3.30	7.15	0.08	45570.10	4.90	8.38	0.07
45861.80	4.70	6.88	0.05	45755.10	3.20	8.30	0.06
46038.90	15.30	7.16	0.09	45947.50	17.70	8.16	0.06
46240.30	13.20	6.98	0.03	46152.50	8.10	8.13	0.07
46462.90	8.30	7.17	0.05	46351.20	10.20	8.02	0.06
46662.30	7.40	6.90	0.04	46530.60	3.50	8.11	0.04
46865.60	9.00	7.34	0.04	46746.30	8.00	7.89	0.08
47004.10	2.60	6.85	0.03	46935.30	2.50	8.12	0.04
47251.30	4.30	7.03	0.05	47135.40	9.90	8.09	0.07
47447.70	3.30	7.12	0.04	47342.60	7.50	7.91	0.04
47612.10	8.30	7.08	0.02	47525.70	4.30	7.93	0.04
47813.20	9.70	6.92	0.05	47710.40	4.60	7.83	0.04
48009.50	2.10	6.89	0.03	47902.10	4.20	7.75	0.04
48188.80	2.80	6.76	0.05	48122.00	4.40	7.91	0.04
48383.80	1.90	7.09	0.03	48281.10	5.80	8.10	0.03
48574.40	5.50	7.01	0.09	48470.00	3.30	8.17	0.04
48773.70	2.00	7.01	0.03	48665.50	3.70	8.43	0.03
48947.00	3.60	6.74	0.06	48871.80	4.00	8.35	0.04
49152.60	5.00	7.13	0.03	49055.00	2.00	8.31	0.03
49336.60	4.00	7.22	0.05	49250.80	12.10	8.23	0.05
49514.70	5.10	7.01	0.03	49435.40	4.70	8.26	0.04
49730.30	4.90	7.52	0.04	49631.40	7.00	8.35	0.05
49920.90	3.20	7.27	0.02	49807.60	3.50	8.37	0.03
50097.10	7.80	7.28	0.04	49994.90	2.90	8.38	0.03
50285.40	4.20	7.43	0.02	50191.60	3.30	8.27	0.02
50476.10	5.50	7.29	0.03	50376.80	2.90	8.36	0.03
50646.80	2.30	7.09	0.03	50593.00	4.80	8.10	0.04
50838.90	1.90	7.22	0.03	50780.60	6.80	8.24	0.04
51034.90	3.80	7.28	0.02	50941.60	7.20	8.09	0.04
51241.10	2.20	7.18	0.03	51136.00	8.30	8.08	0.04

## RS Cyg

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
23073.70	8.70	7.44	0.09	—	—	—	—
23512.50	14.10	7.39	0.22	23236.10	7.80	9.24	0.07
23892.20	7.60	7.08	0.08	23625.60	10.20	8.75	0.09
24325.10	9.70	7.08	0.07	24042.80	7.20	8.78	0.06
24729.90	6.90	7.24	0.03	24467.00	12.40	9.04	0.10
25147.60	7.60	7.47	0.04	24896.50	10.00	8.84	0.12
25561.50	5.50	7.34	0.03	25325.50	16.30	8.94	0.09
26001.10	11.20	7.41	0.04	25726.50	10.90	8.76	0.08
26390.50	6.10	7.44	0.04	26143.20	7.20	8.83	0.04
26827.80	18.50	7.56	0.05	26571.90	3.90	9.11	0.05

## RS Cyg (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
27160.50	12.60	7.50	0.04	27010.90	14.40	8.85	0.05
27713.20	16.20	7.71	0.05	27425.50	6.30	9.10	0.04
28085.50	23.40	7.59	0.04	27846.00	5.60	9.32	0.09
28501.80	5.40	7.51	0.04	28258.60	5.20	8.95	0.04
28911.60	27.70	7.53	0.06	28662.40	15.20	9.25	0.08
29342.70	8.90	7.48	0.05	29097.50	8.70	9.17	0.04
29804.90	12.90	7.35	0.10	29544.10	10.20	9.16	0.05
—	—	—	—	29971.80	4.80	9.70	0.06
30621.80	13.50	7.56	0.08	—	—	—	—
31029.20	12.60	7.59	0.08	30795.10	34.30	8.72	0.09
—	—	—	—	32465.50	10.00	9.58	0.08
33121.80	27.70	7.43	0.05	—	—	—	—
33935.70	8.10	7.58	0.06	—	—	—	—
34339.70	7.60	7.40	0.03	34147.60	23.00	8.81	0.06
—	—	—	—	35421.50	10.30	9.35	0.08
36024.50	40.50	8.20	0.06	35822.90	26.70	9.00	0.05
36476.10	13.20	7.85	0.08	36184.00	9.10	8.88	0.04
37738.70	39.90	7.93	0.12	—	—	—	—
38149.90	7.10	7.43	0.17	37879.00	9.30	8.78	0.06
—	—	—	—	38314.60	12.10	8.86	0.05
—	—	—	—	38744.80	60.90	8.40	0.13
—	—	—	—	39115.00	74.50	8.12	0.08
39764.30	12.00	7.39	0.09	39541.40	10.10	8.80	0.09
40012.70	9.40	7.56	0.12	39917.10	12.00	8.74	0.21
40975.10	12.20	7.32	0.07	—	—	—	—
41280.60	14.00	7.50	0.09	41158.50	9.70	8.71	0.05
41785.40	11.30	7.27	0.06	41560.60	24.20	8.57	0.05
42229.00	31.40	7.43	0.08	—	—	—	—
42686.70	12.90	7.23	0.05	42418.50	19.00	8.58	0.12
43095.80	20.30	7.29	0.06	—	—	—	—
43378.10	7.10	7.13	0.03	—	—	—	—
43825.60	17.70	7.26	0.05	—	—	—	—
—	—	—	—	44091.60	12.20	8.81	0.05
44774.10	8.20	7.32	0.05	44509.70	6.20	8.96	0.04
45181.00	22.00	7.42	0.04	44936.60	10.00	8.92	0.03
45606.90	14.60	7.65	0.06	45369.40	8.50	8.94	0.08
46038.70	6.10	7.46	0.06	45760.20	6.10	8.99	0.05
46471.50	13.70	7.59	0.08	46194.20	11.60	8.84	0.07
46856.10	8.30	7.34	0.07	46592.00	10.40	8.70	0.06
47224.90	22.10	7.37	0.09	47038.20	7.00	8.80	0.04
47707.10	9.30	7.23	0.03	47462.00	8.70	8.65	0.04
48144.70	10.70	7.25	0.04	47893.60	15.80	8.79	0.05
48540.00	21.40	7.36	0.03	48328.30	10.80	8.81	0.09
48998.30	29.90	7.31	0.04	48762.80	6.70	9.08	0.04
49433.10	10.50	7.24	0.05	49195.10	8.10	8.81	0.04
49840.00	10.30	7.34	0.02	49628.80	7.40	8.81	0.03
50281.00	6.00	7.28	0.02	50038.30	6.00	9.26	0.04
50731.60	5.60	7.25	0.02	50466.20	10.40	8.99	0.04
51141.60	3.00	7.10	0.03	50890.50	5.80	8.84	0.05

## RU Cyg

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
24357.40	32.20	8.23	0.09	24269.00	10.20	8.70	0.07
24604.70	3.30	7.46	0.05	24481.90	3.40	10.04	0.10
24813.20	3.30	8.06	0.03	24721.60	2.60	8.80	0.05
25049.50	2.20	7.28	0.03	24941.40	4.30	9.25	0.05
25277.50	4.60	8.39	0.02	25188.40	3.30	9.04	0.03
25524.70	2.40	7.95	0.02	25410.90	4.10	9.12	0.03
25763.90	4.30	8.35	0.03	25672.30	13.30	9.45	0.10
25998.90	3.70	7.76	0.03	25878.30	3.00	9.55	0.05
26252.70	2.40	8.10	0.03	26141.70	2.80	9.82	0.04
26467.80	2.50	7.59	0.02	26350.90	4.10	9.00	0.05
26713.00	2.80	8.04	0.03	26610.40	2.40	9.64	0.05
26949.10	3.30	7.95	0.04	26826.60	8.80	8.98	0.03
27152.70	6.80	8.16	0.13	27060.40	5.30	9.89	0.17
27423.30	2.40	8.10	0.05	27304.10	11.20	9.21	0.05
27666.40	4.40	8.14	0.04	27546.20	5.40	9.85	0.06
27872.30	4.00	8.46	0.02	27763.50	3.70	9.15	0.04
28148.10	7.40	8.23	0.04	28016.40	8.70	9.57	0.09
28347.40	5.40	8.52	0.02	28247.20	5.50	9.11	0.05
28600.50	6.00	8.23	0.08	28491.50	12.70	9.63	0.07
28823.90	11.80	8.54	0.05	28709.00	6.00	9.23	0.06
29062.10	6.30	7.74	0.06	28932.10	7.20	9.17	0.03
29289.00	6.30	8.27	0.04	29187.30	4.30	9.06	0.03
29527.70	8.00	8.04	0.06	29395.70	8.90	9.43	0.04
29751.00	4.80	8.23	0.09	29646.40	15.30	9.09	0.05
29988.80	5.70	7.75	0.08	29853.40	11.80	9.37	0.05
30230.10	8.30	8.81	0.03	—	—	—	—
—	—	—	—	30328.70	13.60	9.17	0.05
30692.40	4.90	8.72	0.03	30591.30	6.40	9.27	0.04
—	—	—	—	31066.40	15.20	9.11	0.04
31395.50	8.50	8.12	0.05	—	—	—	—
32818.10	10.50	8.32	0.05	32724.50	9.60	9.18	0.05
33267.90	5.60	8.30	0.04	33177.30	10.80	8.91	0.05
33522.30	92.50	8.05	0.13	33383.40	37.20	8.99	0.07
35353.50	9.40	8.00	0.04	—	—	—	—
36084.90	13.30	7.80	0.07	—	—	—	—
—	—	—	—	36216.00	18.60	8.72	0.05
36540.80	6.90	7.88	0.12	36448.20	6.30	9.38	0.09
36783.10	10.40	7.69	0.06	—	—	—	—
—	—	—	—	36906.60	7.20	9.45	0.09
37240.70	8.30	8.42	0.10	—	—	—	—
37455.40	6.00	7.76	0.04	37329.60	4.60	9.09	0.04
—	—	—	—	37609.20	19.80	8.95	0.03
37895.10	3.40	7.73	0.04	37787.70	4.50	9.13	0.04
—	—	—	—	38078.20	26.80	9.24	0.03
38374.30	7.50	7.93	0.04	—	—	—	—
38681.00	25.20	8.34	0.06	38544.20	11.10	9.56	0.05
38855.70	29.70	8.44	0.11	38793.80	55.00	8.59	0.10
39137.80	10.80	8.34	0.11	39003.70	9.80	9.28	0.05
39345.40	9.90	8.19	0.04	39235.30	36.40	8.77	0.06
39624.20	19.90	8.26	0.09	39524.10	14.10	9.06	0.08
39823.20	11.20	8.30	0.04	39716.40	5.00	8.85	0.04
40079.20	6.00	7.96	0.05	39956.00	7.70	9.22	0.08
40548.80	8.60	8.17	0.04	40413.60	5.90	9.37	0.04
40768.60	7.20	8.44	0.04	40675.50	15.10	9.10	0.09
41013.80	13.20	7.43	0.13	40898.80	6.10	9.61	0.08

## RU Cyg (continuation)

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
41253.50	4.20	8.23	0.03	41145.40	4.30	9.15	0.03
41472.90	10.20	7.80	0.11	41373.20	6.50	9.06	0.07
41728.50	14.10	7.72	0.15	41600.90	6.60	9.31	0.07
41936.10	10.90	8.27	0.04	41801.60	36.80	8.86	0.07
42207.40	12.40	8.39	0.04	42091.80	11.30	9.68	0.11
42403.60	14.20	8.34	0.04	42305.80	4.00	8.93	0.06
42638.60	5.70	7.99	0.03	42528.50	5.30	9.02	0.10
42864.80	8.30	8.48	0.04	42772.80	10.10	9.00	0.05
43131.80	8.10	8.00	0.05	—	—	—	—
43329.30	20.10	8.17	0.05	43224.20	7.00	8.70	0.06
43550.30	20.40	8.48	0.06	43456.20	10.20	8.93	0.05
43803.30	9.40	8.45	0.04	43685.10	24.40	8.86	0.03
44027.80	4.40	8.37	0.03	43915.20	8.40	8.94	0.05
44283.30	8.90	8.27	0.04	44163.30	15.30	8.86	0.04
44520.30	15.10	8.20	0.06	44379.80	13.70	8.85	0.05
44712.40	4.80	7.86	0.10	44634.80	14.80	8.81	0.07
44949.00	4.50	8.13	0.03	44851.90	58.30	8.58	0.10
45173.40	13.20	8.35	0.05	45088.90	12.70	8.74	0.06
45437.50	9.50	8.55	0.05	45290.50	11.70	9.08	0.05
45623.70	8.20	8.48	0.02	45502.10	9.60	8.83	0.05
45887.30	6.00	8.32	0.02	45748.80	16.30	8.92	0.05
46122.50	9.40	8.41	0.03	46019.30	12.00	8.72	0.02
46350.20	6.70	8.17	0.03	46218.90	10.60	9.02	0.05
46582.10	7.60	8.33	0.03	46475.70	8.10	8.83	0.02
46786.60	4.60	8.28	0.03	46692.40	3.80	8.91	0.02
47065.00	7.20	8.45	0.02	46928.10	7.60	8.99	0.02
47281.00	8.50	8.43	0.02	47170.50	10.40	8.78	0.02
47528.20	3.50	7.86	0.02	47399.00	10.10	8.62	0.01
47770.20	4.80	8.17	0.02	47636.20	8.20	8.67	0.02
47974.90	4.30	8.07	0.02	47860.80	2.90	8.59	0.01
48230.10	3.10	8.39	0.02	48128.50	5.70	8.77	0.01
48445.30	4.90	8.33	0.02	48330.40	8.70	8.77	0.03
48695.80	5.50	8.34	0.04	48578.60	7.60	8.85	0.02
48933.60	7.10	8.33	0.02	48820.70	8.20	8.72	0.01
49160.10	11.30	8.49	0.02	49061.40	7.10	8.78	0.03
49388.30	4.90	8.33	0.03	49282.00	8.40	8.72	0.02
49649.40	10.40	8.37	0.02	49487.60	11.00	8.68	0.02
49920.00	15.10	8.65	0.01	—	—	—	—
50099.20	12.90	8.60	0.02	50000.00	9.90	8.78	0.02
—	—	—	—	50183.60	11.40	8.73	0.03
50600.00	11.20	8.38	0.03	—	—	—	—
50876.90	8.70	8.45	0.01	50741.00	10.20	8.76	0.01
51076.80	4.50	8.12	0.02	50970.00	16.20	8.55	0.02
51298.80	12.30	8.58	0.02	51197.90	10.70	8.76	0.03

## SS Vir

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
—	—	—	—	26751.00	6.40	8.91	0.05
—	—	—	—	27084.00	16.70	8.84	0.09
27566.00	32.60	8.71	0.06	—	—	—	—
27993.00	7.80	7.04	0.05	27819.00	7.50	9.00	0.06
28347.00	13.50	7.70	0.09	—	—	—	—
28690.00	86.60	7.67	0.17	—	—	—	—
29044.00	4.50	7.36	0.07	—	—	—	—
29395.00	7.90	6.97	0.07	—	—	—	—
—	—	—	—	29711.00	8.90	8.64	0.05
—	—	—	—	34103.00	35.80	8.73	0.10
37814.70	24.40	6.92	0.14	—	—	—	—
38149.00	12.00	6.84	0.11	—	—	—	—
38506.00	0.10	6.74	0.00	—	—	—	—
39232.00	9.10	7.22	0.08	—	—	—	—
39897.00	9.50	6.85	0.05	—	—	—	—
40245.00	18.60	7.34	0.09	—	—	—	—
40631.00	21.60	7.30	0.09	—	—	—	—
40997.00	12.10	7.26	0.09	—	—	—	—
41380.00	13.00	7.73	0.07	—	—	—	—
41713.00	11.20	7.33	0.03	—	—	—	—
42085.00	10.10	7.85	0.05	—	—	—	—
42443.70	6.60	7.56	0.05	—	—	—	—
42800.00	9.80	7.26	0.05	—	—	—	—
43210.00	10.10	7.68	0.06	—	—	—	—
43545.00	8.80	7.13	0.06	43360.00	11.40	9.19	0.12
43923.00	5.40	7.55	0.05	43753.00	8.00	9.43	0.13
44289.00	7.70	7.64	0.07	—	—	—	—
44646.00	4.90	7.36	0.05	44471.00	8.70	9.53	0.15
44990.00	9.00	7.54	0.06	44821.00	22.90	9.40	0.09
45367.00	7.40	7.19	0.06	—	—	—	—
45717.00	9.60	7.44	0.05	45551.00	7.50	9.49	0.11
46084.00	9.60	7.33	0.06	45889.00	21.10	9.38	0.08
46449.00	11.10	7.55	0.05	46269.00	14.60	9.44	0.09
46811.00	9.80	7.55	0.05	46623.00	19.00	9.44	0.08
47169.00	6.90	7.70	0.05	47014.00	10.00	9.49	0.06
47545.00	6.20	7.72	0.03	47345.00	6.80	9.64	0.04
47898.00	9.80	7.46	0.06	47714.00	11.60	9.35	0.06
—	—	—	—	48086.00	11.60	9.56	0.07
48613.00	11.30	7.93	0.05	48439.00	14.10	9.69	0.07
48943.00	28.60	7.50	0.12	48788.00	8.90	9.41	0.05
49295.00	28.00	7.23	0.14	49150.00	9.60	8.92	0.05
49663.00	11.00	6.93	0.10	49491.00	9.80	8.76	0.06
50033.00	3.50	7.11	0.07	49830.00	8.30	8.78	0.05
50391.00	11.40	6.91	0.11	50181.00	5.00	9.17	0.04

## RX UMa

Max				Min			
$T$	$\sigma_T$	$mag$	$\sigma_{mag}$	$T$	$\sigma_T$	$mag$	$\sigma_{mag}$
17761.90	3.90	9.97	0.05	17714.00	3.50	10.42	0.02
17980.60	4.50	10.37	0.06	17949.10	10.10	10.55	0.03
18111.40	3.90	10.04	0.03	18010.70	0.90	10.94	0.08
18251.30	4.10	10.31	0.05	18198.70	2.20	11.04	0.09
18355.40	6.80	10.43	0.08	18296.20	6.60	10.71	0.05
18541.90	2.00	9.94	0.09	18393.90	5.30	11.04	0.09
18629.40	2.30	10.57	0.09	18595.50	4.10	11.03	0.04
18736.70	3.60	10.07	0.04	18659.70	1.70	10.99	0.10
18866.60	5.50	10.30	0.03	18791.80	1.90	11.98	0.14
19086.00	3.00	10.32	0.02	19033.20	6.10	11.10	0.05
19201.20	4.30	10.28	0.02	19126.90	14.60	10.51	0.04
19284.30	19.10	10.26	0.03	19247.10	2.50	10.46	0.02
19388.00	7.10	10.64	0.08	19357.40	6.60	10.91	0.05
19490.20	4.00	10.11	0.04	19423.00	2.70	10.87	0.03
—	—	—	—	19565.10	9.70	11.04	0.16
19881.20	3.30	10.03	0.05	19755.00	10.00	11.38	0.10
20047.10	4.90	9.70	0.07	19960.50	15.00	12.35	0.26
20244.80	6.90	9.91	0.06	20160.20	8.60	11.68	0.06
22067.20	5.00	10.75	0.08	—	—	—	—
22160.20	2.00	10.51	0.09	22107.50	1.10	11.16	0.04
22341.60	1.80	10.11	0.06	22304.90	4.10	10.88	0.07
22447.20	12.90	10.47	0.10	22399.60	5.20	10.88	0.05
22539.90	8.10	10.40	0.09	22497.20	10.50	11.09	0.09
22660.70	10.20	10.46	0.08	22581.80	5.50	11.07	0.05
22739.80	7.30	10.56	0.05	22694.20	3.50	11.19	0.09
22844.00	4.50	9.88	0.08	22773.40	5.20	10.80	0.07
22929.70	8.10	10.66	0.08	22903.40	8.50	10.82	0.09
23026.00	7.50	9.90	0.07	22972.10	5.70	10.96	0.04
23175.00	42.20	10.87	0.12	23167.80	48.30	10.88	0.14
23226.60	6.70	10.47	0.09	23167.80	48.30	10.88	0.14
23308.10	4.70	10.66	0.06	23263.50	2.80	11.01	0.05
23413.00	12.80	10.76	0.07	23366.40	18.20	11.03	0.04
23488.50	3.20	10.29	0.06	23426.90	16.90	10.77	0.06
23686.50	4.60	10.65	0.03	23598.80	6.70	11.00	0.10
23827.90	6.20	10.34	0.07	23771.20	11.00	11.24	0.09
23874.40	6.10	10.11	0.04	23837.00	4.20	10.37	0.06
24004.70	2.70	10.11	0.08	23959.90	3.30	11.35	0.07
24081.40	3.00	10.25	0.04	24043.10	3.30	10.78	0.05
24201.00	2.60	10.24	0.05	24141.40	5.90	11.40	0.05
24283.70	3.40	10.08	0.06	24240.00	4.60	11.00	0.07
24402.40	1.70	10.47	0.05	24348.10	4.70	11.33	0.06
24482.70	2.10	10.27	0.04	24436.30	1.20	11.14	0.04
24596.70	1.80	10.30	0.03	24543.30	3.40	11.59	0.05
24685.40	2.20	10.59	0.03	24643.90	1.70	10.98	0.03
24800.00	3.90	9.99	0.06	24745.00	2.20	11.57	0.03
24874.30	6.20	10.26	0.05	24834.70	2.60	10.65	0.05
24978.20	6.40	10.52	0.06	24936.00	2.50	11.36	0.07
25077.10	2.90	10.23	0.09	25021.90	4.50	10.88	0.04
25179.10	5.60	10.39	0.05	25128.50	4.60	11.33	0.09
25262.20	7.30	10.13	0.07	25217.20	2.50	10.89	0.06
25450.10	4.80	10.03	0.06	25397.50	3.40	11.40	0.12
25525.50	5.70	10.67	0.05	25500.00	3.60	10.90	0.06
25627.80	4.70	10.12	0.06	25572.40	5.40	11.15	0.07
25847.70	4.30	10.33	0.06	25736.80	5.70	11.13	0.06
25979.20	5.90	10.61	0.07	25918.90	25.10	11.06	0.08
26054.90	3.60	10.33	0.06	26014.30	6.60	11.01	0.09
26159.80	4.40	10.61	0.11	26109.50	8.10	11.27	0.06

## RX UMa (continuation)

Max				Min			
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$
26247.70	6.90	9.96	0.07	26194.40	8.00	11.03	0.11
26344.20	2.00	10.68	0.07	26305.30	3.60	11.45	0.07
26438.80	3.90	10.28	0.05	26388.50	1.60	11.88	0.08
26519.20	6.10	10.61	0.08	26484.60	9.70	11.03	0.09
26618.20	2.90	10.45	0.04	26567.20	3.50	11.64	0.06
26693.20	11.80	10.53	0.05	26657.00	2.60	10.84	0.04
26866.70	4.60	10.13	0.04	26779.50	11.10	11.59	0.09
27052.00	2.80	10.05	0.05	26987.50	9.40	11.91	0.08
27237.40	2.10	9.92	0.06	27178.80	1.70	12.20	0.06
27444.30	4.60	10.06	0.07	27362.00	4.00	11.79	0.06
27636.70	4.10	9.94	0.05	27546.20	3.60	12.04	0.08
27836.10	5.00	10.09	0.04	27731.70	5.60	11.83	0.06
28024.70	11.20	10.10	0.05	27912.20	2.80	11.80	0.04
28194.50	3.50	10.14	0.04	28125.10	2.10	12.02	0.05
28399.90	10.50	10.43	0.06	28317.90	5.20	11.72	0.08
28458.00	2.60	10.21	0.07	28424.40	4.40	10.52	0.06
28634.10	3.90	10.07	0.05	28528.30	2.30	12.35	0.03
28803.10	3.80	9.93	0.06	28735.50	3.90	11.86	0.13
28847.40	6.90	10.03	0.05	28824.80	14.60	10.07	0.06
28993.80	3.40	10.26	0.05	28940.40	3.40	11.81	0.10
29065.60	6.20	10.27	0.05	29028.60	4.80	10.51	0.05
29200.10	8.80	10.06	0.05	29138.30	2.20	11.86	0.08
29249.50	6.90	10.02	0.05	29221.90	12.70	10.09	0.05
29389.20	3.10	10.23	0.10	29337.60	2.30	11.98	0.09
29463.60	2.40	9.89	0.05	29418.40	2.00	10.74	0.07
29593.00	3.30	9.98	0.09	29534.00	7.90	11.77	0.09
—	—	—	—	29627.40	16.10	10.38	0.06
30855.20	6.50	10.07	0.07	—	—	—	—
31238.00	4.40	9.64	0.09	—	—	—	—
32638.80	5.80	9.99	0.19	32587.80	4.00	11.38	0.17
41303.80	1.30	9.64	0.12	41205.70	3.00	12.38	0.19
—	—	—	—	41768.00	3.40	12.19	0.14
42978.30	17.50	9.85	0.03	—	—	—	—
43163.80	9.40	10.15	0.05	43096.80	6.60	11.95	0.29
43179.50	9.30	10.14	0.05	43096.80	6.60	11.95	0.29
43352.40	4.10	9.78	0.11	—	—	—	—
43545.80	5.70	9.79	0.08	—	—	—	—
43596.80	5.90	10.13	0.07	43583.90	4.30	10.20	0.06
43820.10	1.90	9.48	0.04	—	—	—	—
44302.20	5.50	10.02	0.06	—	—	—	—
44474.20	9.50	9.88	0.18	44422.90	3.60	12.43	0.19
44681.30	4.30	9.93	0.05	—	—	—	—
45053.90	2.80	10.04	0.05	44994.30	5.20	11.77	0.14
45133.20	7.90	10.58	0.08	45125.60	17.00	10.59	0.08
45448.30	3.20	9.80	0.03	—	—	—	—
45801.70	4.40	10.34	0.06	45737.20	6.70	12.14	0.07
45868.00	5.50	10.48	0.07	45837.50	3.90	10.70	0.07
46068.90	3.60	10.08	0.09	45934.20	13.30	11.89	0.12
46195.40	1.90	10.10	0.08	46146.30	4.20	11.85	0.12
46280.80	3.30	10.54	0.19	46242.00	5.10	11.18	0.08
46471.80	3.50	10.19	0.11	46433.90	3.50	10.99	0.19
46591.30	5.40	10.01	0.14	46536.00	8.00	11.66	0.10
—	—	—	—	46634.20	8.30	10.99	0.13
46795.00	6.20	10.00	0.16	—	—	—	—
46863.50	5.10	10.02	0.08	46828.50	6.30	10.60	0.09
46975.50	7.00	10.49	0.08	46922.70	4.10	11.16	0.05
47049.70	5.80	10.16	0.06	47007.30	3.10	10.91	0.10



## RX UMa (continuation)

Max				Min			
<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$	<i>T</i>	$\sigma_T$	<i>mag</i>	$\sigma_{mag}$
47162.80	17.80	10.41	0.10	47112.10	4.80	11.26	0.14
47253.60	4.10	10.08	0.06	47209.20	8.10	10.86	0.06
47393.10	13.00	10.50	0.11	47308.00	15.60	11.04	0.06
47462.90	2.50	9.93	0.07	47421.30	15.40	10.71	0.13
47639.00	7.20	10.38	0.04	47561.90	13.60	11.15	0.05
47836.80	6.80	9.73	0.05	47743.60	4.20	11.71	0.14
48034.90	5.50	9.60	0.07	47950.40	9.60	11.84	0.12
48234.90	3.00	9.48	0.05	48166.80	6.90	12.33	0.24
48443.80	4.40	9.62	0.05	48354.50	2.70	12.19	0.08
48618.30	3.90	9.65	0.05	48550.50	4.50	11.78	0.11
48811.80	4.90	9.46	0.05	48742.70	3.20	11.66	0.08
49012.20	12.00	9.75	0.09	48923.50	5.10	11.22	0.17
49209.00	4.60	10.21	0.05	49135.50	3.70	12.09	0.08
49403.50	5.40	10.06	0.05	49332.90	5.20	11.74	0.10
49476.00	3.60	10.74	0.05	49452.20	6.80	10.81	0.05
49579.40	6.10	9.93	0.05	49524.40	3.50	11.51	0.08
49727.80	12.80	10.70	0.05	49685.90	4.20	11.23	0.07
49805.40	9.80	10.23	0.06	49742.30	6.80	10.72	0.05
49943.00	16.20	10.56	0.10	49866.00	6.30	10.89	0.04
50014.10	4.50	10.02	0.07	49966.20	13.20	10.70	0.12
50100.00	1.20	10.02	0.08	50054.50	3.80	10.98	0.09
50228.90	4.60	10.78	0.04	50190.10	2.90	11.05	0.04
50304.60	2.70	9.67	0.06	50254.10	9.50	10.86	0.06
50414.90	11.30	10.26	0.14	50369.00	4.00	11.00	0.12
50474.70	2.80	9.68	0.06	50431.20	4.40	10.36	0.12
50673.50	3.30	9.75	0.05	50576.80	8.80	11.28	0.08
50834.60	3.70	9.85	0.05	50738.70	4.60	11.20	0.05
51019.00	3.60	9.72	0.05	50947.00	6.60	11.31	0.04
51090.70	3.40	10.21	0.06	51068.30	8.30	10.35	0.07
51214.20	2.90	9.94	0.05	51149.70	4.40	11.94	0.11
51298.40	2.60	10.44	0.04	51260.60	6.40	10.66	0.04

## Index

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V Boo	SRA	R	104	U Cyg	M	R	92	T UMa	M	A	96
S Cam	SRA	R	102	RS Cyg	SRA	R	107	RX UMa	SRB	R	112
X Cam	M	R	87	RU Cyg	SRA	R	109	U UMi	M	R	89
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