Table 5. Orbital elements for strong barium stars. No uncertainties are given for fixed parameters. The symbol > is used for uncertainties exceeding the parameter values in case of badly constrained orbits. N is the number of measurements used to derive the orbital solution and $O-C$ the residue around this solution. ΔT is the span of the observations

Id HD/DM/..	P [days]	T [HJD -2400000]	e	γ [$\mathrm{km\,s^{-1}}$]	ω [deg]	K [$\mathrm{km\,s^{-1}}$]	$f(m)$	$a\sin i$ [Gm]	N	$O-C$ [$\mathrm{km\,s^{-1}}$]	ΔT [days]
5424	1881.53	46202.80	0.226	-0.28	104.63	3.08	5.281e-03	77.64	13	0.180	3306
	18.59	34.86	0.036	0.05	5.87	0.08	4.221e-04	2.19			
24035	377.82	48842.65	0.020	-12.51	214.82	10.64	4.725e-02	55.27	15	0.186	3271
	0.35	26.14	0.010	0.13	24.76	0.27	3.544e-03	0.14			
36598	2652.81	45838.95	0.084	44.10	104.59	5.15	3.715e-02	187.06	11	0.210	3270
	22.66	107.50	0.018	0.07	13.96	0.09	2.060e-03	3.77			
42537	3216.22	46147.32	0.156	-2.47	237.61	4.40	2.741e-02	192.18	12	0.432	3270
	54.68	162.50	0.047	0.16	19.27	0.25	4.722e-03	11.46			
60197	3243.76	46015.97	0.340	54.30	330.94	2.16	2.829e-03	90.66	14	0.309	3970
	66.34	98.30	0.051	0.10	10.89	0.13	5.542e-04	6.17			
84678	1629.91	44512.25	0.062	27.92	190.00	7.16	6.167e-02	160.08	12	0.297	3270
	10.38	81.44	0.020	0.11	17.94	0.12	3.157e-03	2.89			
88562	1445.05	45781.71	0.204	11.79	353.43	6.98	4.787e-02	135.77	23	0.442	3253
	8.53	35.50	0.017	0.10	7.84	0.12	2.590e-03	2.56			
100503	554.41	46144.83	0.061	-8.9	358.06	5.80	1.116e-02	44.12	16	0.549	3271
	1.91	54.82	0.045	0.15	34.83	0.24	1.366e-03	1.81			
120620	217.18	48831.22	0.010	33.21	172.87	14.06	6.226e-02	41.98	28	0.421	3253
	0.08	27.42	0.009	0.09	45.50	0.11	1.485e-03	0.33			
123949	9200.0	49144.96	0.972	-10.82	128.51	20.45	1.055e-01	606.86	25	0.301	4396
	–	62.89	0.057	0.26	49.01	>	>	122.42			
154430	1668.11	47442.02	0.108	-38.14	312.00	5.85	3.400e-02	133.30	15	0.480	3058
	17.36	76.79	0.031	0.14	16.55	0.19	3.315e-03	4.53			
196445	3221.35	46037.95	0.237	-25.53	335.85	4.66	3.101e-02	200.46	12	0.226	3306
	43.00	64.62	0.023	0.09	5.31	0.11	2.226e-03	5.42			
211954	5000.0	45497.96	0.391	-6.08	64.32	3.47	1.686e-02	219.33	14	0.353	4081
	–	149.37	0.080	0.13	10.07	0.31	4.934e-03	21.40			
$+38°$ 118	299.37	47624.61	0.144	-18.68	132.44	7.76	1.406e-02	31.60	30	0.303	4260
(a+b)	0.19	3.15	0.013	0.06	3.93	0.08	4.205e-04	0.32			
$+38°$ 118	3876.66	46757.73	0.208	-18.32	91.17	1.65	1.704e-03	86.23	30	0.293	4260
(ab+c)	112.24	136.54	0.062	0.09	14.56	0.11	3.616e-04	6.54			
$-42°$2048	3259.96	46948.95	0.080	40.52	188.85	5.79	6.496e-02	258.56	12	0.239	3270
	28.30	142.67	0.016	0.08	16.40	0.11	3.711e-03	5.36			
$-64°$4333	386.04	47486.99	0.031	8.33	85.40	11.96	6.840e-02	63.43	16	0.314	3309
CpD	0.48	31.72	0.012	0.19	29.51	0.20	3.426e-03	1.06			
Lü 163	965.15	47283.53	0.035	2.78	351.32	3.06	2.879e-03	40.64	14	0.572	4036
	16.01	350.26	>	0.16	132.49	0.22	6.199e-04	2.99			