Binary Properties from *C*epheid *Ra*dial *V*elocities (CRaV)

Evans, et al.

Table 1. Fourier Coefficients

Coefficients
****
star name: Eta Aql
period: 7.1768823
epoch: 54342.294
c0: -15.3784935305
a1: -13.5348145135
b1: -7.02301843754
a2: -2.08204424568
b2: -7.73995994458
a3: 2.19228582007
b3: -2.05935738708
a4: 1.21290317038
b4: -0.510888862667
a5: 0.552947726655
b5: 0.670666572462
a6: 0.0658833432788
b6: 0.197300835705
a7: -0.183816159926
b7: 0.109953246928
a8: NULL
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name: SZ Aql
period: 17.137939
epoch: 35528.937
c0: 7.76579843741
a1: -24.7362569393
b1: 4.34792239412

Table 1—Continued

Coefficients
a2: -5.97434724071
b2: 2.61575353168
a3: 0.269890631064
b3: 0.661114068265
a4: 1.5657989788
b4: -0.222872022864
a5: 1.28698231756
b5: -0.899208847584
a6: 0.908322724902
b6: -0.577533778434
a7: 0.437724218706
b7: 0.115889701725
a8: 0.313458071719
b8: 0.386440115495
a9: 0.501691905207
b9: 0.237835874025
a10: NULL
b10: NULL
****
star name: TT Aql
period: 13.75441883
epoch: 48846.6635
c0: 3.46855317863
a1: -10.2712980996
b1: -20.7302452216
a2: 1.48945990656
b2: -3.55135160371
a3: -1.41882062105
b3: -0.339865846241
a4: -1.05248305014
b4: -1.98172035391
a5: 0.721470647974

Table 1—Continued

Coefficients
b5: -1.49490102071
a6: 0.532038672278
b6: 0.112459567447
a7: -0.490484711334
b7: -0.0836851733131
a8: 0.203559725415
b8: -0.715888704563
a9: 0.596382644339
b9: -0.155657344336
a10: 0.304098162167
b10: 0.136852747572
a11: NULL
b11: NULL
****
star name : FM Aql
period: 6.11398047
epoch: 48835.59284
c0: -5.3399052543
a1: -11.0835581267
b1: -10.8101460055
a2: 0.160597386673
b2: -6.50005514105
a3: 2.94829013475
b3: -0.642637123863
a4: 0.655976652441
b4: 0.708149549486
a5: -0.0681156071755
b5: 0.505056579611
a6: NULL
b6: NULL
a7: NULL
b7: NULL

Table 1—Continued

Coefficients
a8: NULL
b8: NULL
****
star name : FN Aql
period: 9.48166574
epoch: 48847.1476
c0: 12.817805328
a1: 2.94380369522
b1: -14.1739200826
a2: -1.99587649923
b2: 1.26728966789
a3: -0.389912412751
b3: -2.11070855386
a4: 0.270741081253
b4: -0.457378760471
a5: 0.0275892730297
b5: -0.257458446535
a6: 0.0310535078584
b6: -0.100497223819
a7: 0.0842454227888
b7: -0.0496832558191
a8: NULL
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name: V1162 Aql
period: 5.37593106
epoch: 49210.89455
c0: 12.5488037465

Table 1—Continued

Coefficients
a1: -7.5502496826
b1: -10.2289161638
a2: 1.28869602621
b2: -4.33054046052
a3: 2.01971185891
b3: 0.290395614458
a4: NULL
b4: NULL
a5: NULL
b5: NULL
a6: NULL
b6: NULL
****
star name : RT Aur
period: 3.7283128
epoch: 49702.30684
c0: 19.7074539336
a1: -11.2137746422
b1: -10.9996666787
a2: -0.317420948173
b2: -5.29439586993
a3: 1.45605541363
b3: -1.89820012005
a4: 1.22755779232
b4: 0.00562122559422
a5: 0.544292254228
b5: 0.210621335961
a6: -0.0264285382
b6: 0.1765542789
a7: NULL
b7: NULL
a8: NULL

Table 1—Continued

Coefficients
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name : RX Aur
period: 11.62400978
epoch: 45726.49473
c0: -21.8950077492
a1: -6.21741698683
b1: -13.1459865726
a2: 2.14963295955
b2: 2.43946720869
a3: -0.468979211174
b3: 1.94965952101
a4: -0.237951012471
b4: 0.171521724364
a5: NULL
b5: NULL
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : CK Cam
period: 3.29494429
epoch: 50911.7389
c0: -1.5997025335
a1: -9.11076657033
b1: -11.3297443205
a2: 0.998377491974

Table 1—Continued

Coefficients
b2: -4.5976170303
a3: 0.784557682546
b3: -0.856453179824
a4: NULL
b4: NULL
a5: NULL
b5: NULL
a6: NULL
b6: NULL
****
star name : SU Cas
period: 1.949319
epoch: 38000.598
c0: -6.84682701733
a1: -7.77436206289
b1: -3.5682787674
a2: -1.06537948175
b2: -0.764429616251
a3: NULL
b3: NULL
a4: NULL
b4: NULL
a5: NULL
b5: NULL
a6: NULL
b6: NULL
****
star name : V379 Cas
period: 4.30703071
epoch: 49973.10862
c0: -37.929472906
a1: -0.11928594201

Table 1—Continued

Coefficients
b1: -8.18586631519
a2: 0.463396654016
b2: -0.628568353529
a3: NULL
b3: NULL
a4: NULL
b4: NULL
a5: NULL
b5: NULL
****
star name : V636 Cas
period: 8.37586787
epoch: 49194.12907
c0: -24.9894572608
a1: 0.0215488771201
b1: -4.50158969529
a2: 0.147653489278
b2: 0.764088425494
a3: NULL
b3: NULL
a4: NULL
b4: NULL
a5: NULL
b5: NULL
****
star name : Del Cep
period: 5.366341
epoch: 36075.445
c0: -18.407609633
a1: -12.0462108532
b1: -9.76502490737
a2: -1.2067892749

Table 1—Continued

Coefficients

b2: -6.33772304801
a3: 1.87552077028
b3: -2.76334702507
a4: 1.797033582
b4: -0.482815596369
a5: 0.706445693184
b5: 0.534882470451
a6: 0.120414461111
b6: 0.54459909701
a7: -0.236841037345
b7: 0.211711976735
a8: -0.162008815371
b8: -0.0169947767827
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name: IR Cep
period: 2.11422297
epoch: 49408.97422
c0: -5.48931731687
a1: -5.38301670266
b1: -7.91599298715
a2: 0.618949876584
b2: -2.07311243027
a3: 0.17409729831
b3: -0.347317184325
a4: NULL
b4: NULL
a5: NULL
b5: NULL

Table 1—Continued

Coefficients
a6: NULL
b6: NULL
****
star name : X Cyg
period: 16.38542755
epoch: 49172.66727
c0: 7.42789921426
a1: -15.2600276644
b1: -17.1277254543
a2: -0.21264680171
b2: -6.79987326904
a3: -0.198515744794
b3: -1.48215755942
a4: -0.534318572402
b4: -1.93129984745
a5: 0.659761101586
b5: -2.14805438475
a6: 1.28534448615
b6: -0.422936646226
a7: 0.851634238129
b7: 0.48229638892
a8: 0.270808905849
b8: 0.554907591245
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name: CD Cyg
period: 17.073967
epoch: 43831.167
c0: -11.4159266713

Table 1—Continued

Coefficients
a1: -14.4944003747
b1: -20.1685946117
a2: 1.10295134841
b2: -6.49117779105
a3: -0.025724388455
b3: -0.862856466042
a4: -0.673570242906
b4: -1.60889746661
a5: 0.653392829379
b5: -1.49824080155
a6: 1.08807874804
b6: -0.258285010111
a7: 0.385698741428
b7: 0.428905351815
a8: -0.181328295052
b8: 0.133403448598
a9: -0.0365955924544
b9: -0.24112724062
a10: 0.232404042449
b10: -0.126095241795
a11: NULL
b11: NULL
****
star name : DT Cyg
period: 2.499215
epoch: 44046.969
c0: -1.13644412533
a1: -1.73529378787
b1: -6.47663546829
a2: 0.867940094701
b2: -0.654277013086
a3: NULL

Table 1—Continued

Coefficients
b3: NULL
a4: NULL
b4: NULL
a5: NULL
b5: NULL
****
star name : V1726 Cyg
period: 4.2374346
epoch: 49952.75154
c0: -15.8182003841
a1: -0.597224958135
b1: -3.88165917094
a2: 0.232012535152
b2: 0.0618959331872
a3: NULL
b3: NULL
a4: NULL
b4: NULL
****
star name : Zeta Gem
period: 10.14979913
epoch: 48882.14254
c0: 5.73942719525
a1: 4.93544954972
b1: -10.9543027023
a2: -2.73261420924
b2: 0.428208218836
a3: 0.12633644533
b3: -1.40470381561
a4: -0.0588074002732
b4: 0.0657718451682
a5: 0.234653988927

Table 1—Continued

Coefficients
b5: -0.0224270257696
a6: 0.159187622405
b6: -0.246081327838
a7: NULL
b7: NULL
a8: NULL
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name : W Gem
period: 7.91344619
epoch: 49782.31692
c0: 1.64484965888
a1: -13.2129644329
b1: -6.79411639276
a2: -0.26803535412
b2: -9.44015315906
a3: 2.52167417877
b3: -1.54977498635
a4: 1.62577988004
b4: 0.0269407899652
a5: NULL
b5: NULL
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : V Lac

Table 1—Continued

Coefficients
period: 4.98304797
epoch: 49178.0987
c0: -24.6115487674
a1: -12.0851266301
b1: -10.6381883249
a2: -0.581070975345
b2: -6.45594817897
a3: 1.99380901633
b3: -2.98718964959
a4: 1.56998102844
b4: -0.833980102921
a5: 0.366288221323
b5: 0.114058927278
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : X Lac
period: 5.4436092
epoch: 49277.596
c0: -24.9496517744
a1: -3.90573786719
b1: -9.58427844165
a2: 0.836594561407
b2: -1.6611910627
a3: 0.599261954127
b3: -0.0854680297014
a4: NULL
b4: NULL
a5: NULL
b5: NULL

Table 1—Continued

Coefficients
****
star name : RR Lac
period: 6.41593947
epoch: 49276.4992
c0: -38.4139781279
a1: -10.7674347697
b1: -8.82774070918
a2: -0.650622478346
b2: -6.40023796231
a3: 2.2315667031
b3: -1.90854688105
a4: 1.11048874617
b4: -0.0155075189804
a5: 0.353935064604
b5: 0.267135103056
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : BG Lac
period: 5.331908
epoch: 35315.273
c0: -17.4071650503
a1: -10.4412678266
b1: -10.0037501873
a2: -0.267260754953
b2: -5.35544386334
a3: 1.95527170258
b3: -1.64062973748
a4: 1.18362253038
b4: 0.20725332019

Table 1—Continued

Coefficients
a5: 0.269875479885
b5: 0.64175844803
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : SV Mon
period: 15.23278
epoch: 43794.338
c0: 27.762026175
a1: -22.2268608526
b1: -10.3760128132
a2: -5.23315348047
b2: -3.69943698217
a3: -1.43575045647
b3: 0.737228373499
a4: -1.23841920455
b4: 1.90599666027
a5: -1.39486846975
b5: 1.32439632526
a6: -1.30615777489
b6: 0.472574437669
a7: -0.792177180445
b7: 0.259364371237
a8: NULL
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****

Table 1—Continued

Coefficients
star name : Y Oph
period: 17.12087807
epoch: 50473.39837
c0: -7.68744106319
a1: -1.14501230309
b1: -8.56776597696
a2: 0.374676750451
b2: -0.0983203922657
a3: 0.148665328698
b3: 0.117663396465
a4: -0.147946169138
b4: -0.14080863549
a5: -0.0448490306153
b5: -0.00417079311912
a6: NULL
b6: NULL
a7: NULL
b7: NULL
a8: NULL
b8: NULL
****
star name : RS Ori
period: 7.566881
epoch: 42820.794
c0: 42.8969198854
a1: -12.8614500512
b1: -7.5072751859
a2: -0.903787881315
b2: -8.34327284546
a3: 2.13815158877
b3: -1.81806212693
a4: 1.96931157518

Table 1—Continued

Coefficients
b4: -0.636629359901
a5: 0.400049258154
b5: 0.679109407231
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : V440 Per
period: 7.57251878
epoch: 49542.58729
c0: -25.48700741
a1: 0.00234574406074
b1: -2.31168050054
a2: NULL
b2: NULL
a3: NULL
b3: NULL
a4: NULL
b4: NULL
****
star name : U Sgr
period: 6.745226
epoch: 30117.925
c0: 2.67454841534
a1: -13.7101294716
b1: -5.89669173941
a2: -3.66959004947
b2: -6.49358986259
a3: 1.59948944491
b3: -2.67502645169
a4: 0.759325697661

Table 1—Continued

Coefficients
b4: -0.437235390476
a5: 0.502365621857
b5: 0.354585355191
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : WZ Sgr
period: 21.85265529
epoch: 50103.24626
c0: -17.5126286594
a1: -18.2892535843
b1: -14.7602461429
a2: -2.38892789303
b2: -6.99020186491
a3: -0.630999440585
b3: -2.88288930512
a4: -0.536277372937
b4: -2.14646843611
a5: 0.306719442504
b5: -2.16395458211
a6: 1.27597735113
b6: -1.24815909233
a7: 1.12065916974
b7: -0.265151634594
a8: 0.812087523857
b8: 0.0530557131823
a9: 0.480656773931
b9: 0.341020598359
a10: 0.111812265718
b10: 0.330894462046

Table 1—Continued

Coefficients

****
star name : BB Sgr
period: 6.63721699
epoch: 50004.70904
c0: 6.37432055811
a1: -8.92816048944
b1: -9.13962450553
a2: 1.71901751442
b2: -5.38331796592
a3: 2.09893551822
b3: 0.366877417763
a4: 0.184281359852
b4: 0.892013878864
a5: -0.354150829678
b5: 0.0315229164872
a6: 0.0418560724299
b6: -0.173808757983
a7: NULL
b7: NULL
a8: NULL
b8: NULL
a9: NULL
b9: NULL
a10: NULL
b10: NULL
****
star name : ST Tau
period: 4.03106928
epoch: 45050.0236
c0: 0.818590469426
a1: -10.8147797357
b1: -11.3684339932

Table 1—Continued

Coefficients
a2: -0.0500533317605
b2: -5.4619822937
a3: 1.33265024344
b3: -2.29249864816
a4: 1.3027143292
b4: -0.173016277174
a5: 0.221837385795
b5: 0.138801731137
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : SZ Tau
period: 3.14892445
epoch: 49336.58064
c0: -0.440689037899
a1: -3.51708430049
b1: -8.02363242299
a2: 1.76887273777
b2: -1.49912590376
a3: NULL
b3: NULL
a4: NULL
b4: NULL
****
star name : EU Tau
period: 2.1024924
epoch: 45651.13
c0: -5.3399052543
a1: -11.0835581267
b1: -10.8101460055

Table 1—Continued

Coefficients
a2: 0.160597386673
b2: -6.50005514105
a3: 2.94829013475
b3: -0.642637123863
a4: 0.655976652441
b4: 0.708149549486
a5: -0.0681156071755
b5: 0.505056579611
a6: NULL
b6: NULL
a7: NULL
b7: NULL
****
star name : EU Tau
period: 2.1024924
epoch: 45651.13
c0: -1.05747893671
a1: -3.48340839683
b1: -7.56201125059
a2: 0.74305531918
b2: -1.40674632547
a3: NULL
b3: NULL
a4: NULL
b4: NULL
****
star name : S Vul
period: 68.464
epoch: 44147.2
c0: 0.527745781465
a1: -7.9548830628
b1: -10.0430710766

Table 1—Continued

Coefficients
a2: 1.09887470774
b2: -3.89615629527
a3: 1.89721212597
b3: -0.153873106374
a4: 0.400215439032
b4: 0.373584055575
a5: NULL
b5: NULL
a6: NULL
b6: NULL
****
star name : T Vul
period: 4.435462
epoch: 41705.121
c0: -2.82034694798
a1: -10.3219715022
b1: -10.02839194
a2: -0.950387243755
b2: -4.98666221514
a3: 1.0326373144
b3: -1.97237368354
a4: 0.953362096743
b4: -0.446686978046
a5: 0.51105863563
b5: 0.246083710082
a6: 0.0605787023511
b6: 0.294886403753
a7: NULL
b7: NULL
a8: NULL
b8: NULL
****

Table 1—Continued

Coefficients
star name : X Vul
period: 6.319588
epoch: 35309.977
c0: -14.3533908893
a1: -10.9585698264
b1: -8.96360264797
a2: -0.901028729309
b2: -6.60980055545
a3: 2.30533062596
b3: -2.44355054378
a4: 1.24610964971
b4: 0.136298071587
a5: NULL
b5: NULL
a6: NULL
b6: NULL
****
star name : SV Vul
period: 44.86034866
epoch: 49345.76245
c0: -1.76242101854
a1: -11.9599517578
b1: -15.1703857205
a2: -0.00855772704343
b2: -6.63969718846
a3: 1.97817440405
b3: -2.61375673336
a4: 1.81840428215
b4: -0.36754078537
a5: 0.624298550141
b5: 0.441981970878
a6: -0.0398399709135

Table 1—Continued

Coefficients
b6: 0.506676107635
a7: NULL
b7: NULL
a8: NULL
b8: NULL