

COMMISSION 27 OF THE I. A. U  
 INFORMATION BULLETIN ON VARIABLE STARS  
 NUMBER 188

Konkoly Observatory  
 Budapest  
 2 March 1967

Veröffentlichungen der Reineis-Sternwarte Bamberg  
 Astronomisches Institut der Universität Erlangen-Nürnberg  
 Band VI, Nr. 43

ELEMENTS FOR BV 646 AND BV 752

BV 646 = K3Π(0619-54) = CAP -54° 1026(8<sup>m</sup>.8) = HD 44 863(A2)

Min = JD 242 8656.275 + 0<sup>d</sup>.795 101 . E

Minima	E	O - C
242 8656.270(S)	0	-0.005
8755.667(S)	125	+0.004
8806.562(S)	189	+0.013
8837.544(S)	228	-0.014
8845.513(S)	238	+0.004
8874.545(S)(1/2)	274.5	+0.015
8892.420(S)	297	0.000
8904.405(S)	312	+0.059
243 4252.623(S):	7038.5	+0.030
4281.555(S):	7075	-0.059
4305.492(S):	7105	+0.024
4352.350(S):	7164	-0.028
4364.308(S):	7179	+0.003
4504.297(S):	7355	+0.054
8315.595(1/3)	12148.5	+0.046
8354.483(1/3)	12197.5	-0.036
8407.370	12264	-0.024
8427.324(3/4)	12289	+0.053
8435.271(3/4)	12299	+0.049
8468.249(1/2)	12340.5	+0.030
8701.573	12634	-0.008
8707.526(1/2)	12641.5	-0.018
.572(1/2)	12641.5	+0.028
8709.528	12644	-0.004
.573(3/4)	12644	+0.041
8740.483(1/2)	12683	-0.058

Minima	E	O - C
243 8760.376(3/4)	12708	-0.042
.420	12708	+0.002
8768.360	12718	-0.010
.404(3/4)	12718	+0.034
8772.369(3/4)	12723	+0.024
8786.319(1/3)	12740.5	+0.060
8813.271(1/3)	12774.5	-0.022
8815.270	12777	-0.010
8817.269(1/2)	12779.5	+0.001
8819.268	12782	+0.012
8825.265(1/2)	12789.5	+0.046
9054.566(3/4)	13078	-0.040
9123.425(1/3)	13164.5	+0.043
9125.422(1/2)	13167	+0.052
9150.378(1/3)	13198.5	-0.038
9168.282	13221	-0.023
.327	13221	+0.022
9174.286(1/2)	13228.5	+0.018
9176.279	13231	+0.023
9178.285(1/3)	13233.5	+0.041
9180.281(1/2)	13236	+0.049

(S) = Sonneberg. Many thanks to Miss H. GESSNER for her work.

Ampl.  $0^m.95$ , with a deep (1/2) secondary minimum, EB

BV 752 = CAP -52° 8272(7<sup>m</sup>.8) = HD 136 739(G5), b = +3°

Max = JD 243 8202.145 + 9<sup>d</sup>.285 . E

Maxima	E	O - C
243 8202.290	0	+0.145
8229.216	3	-0.784
8230.217	3	+0.217
.265	3	+0.265
8471.538	29	+0.128
.582	29	+0.172
8498.495	32	-0.770
8499.488	32	+0.223
.533	32	+0.268
8500.485	32	+1.220
8553.329	38	-1.646

Maxima	E	O - C
243 8556.329	38	+1.354
8582.245	41	-0.585
.290	41	-0.540
8583.247	41	+0.417
.292	41	+0.462
8584.247	41	+1.417
.292	41	+1.462
8592.247	42	+0.132
8879.449	73	-0.501
8906.355	76	-1.450
.391	76	-1.414
8916.345	77	-0.745
.392	77	-0.698
8917.361	77	+0.271
8964.219	82	+0.704
.265	82	+0.750
8972.238	83	-0.562
9185.474	106	-0.881
.515	106	-0.840
9204.419	108	-0.506
9214.390	109	+0.180
.432	109	+0.222
9232.338	111	-0.442
.382	111	-0.398
.462	111	-0.318
9270.353	115	+0.433
.398	115	+0.478
9271.392	115	+1.472
9287.307	117	-1.183
.353	117	-1.137
9289.310	117	+0.820
.354	117	+0.864
9315.258	120	-1.087
.301	120	-1.043
9345.219	123	+1.019

Ampl.  $0^m.40$ , the minimum is about phase 0.5. According to spectral type and galactic latitude the star is probably a Cepheid.