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ELEMENTS FOR BAMBERG VARIABLES

BV 508 = BD $-14^{\circ}3885(9^{m}.2)$ = HD 123 660(F5)

Min = JD 242 6092.325 + $2^{d}.962\ 095$. E

Minima	E	O - C
242 6092.461(S)	0	+0.136
6095.406(S)	1	+0.119
6767.605(S)	228	-0.078
7155.556(S)	359	-0.161
7463.707(S)	463	-0.068
7570.386(S)	499	-0.024
.428(S)	499	+0.018
7860.588(S)	597	-0.107
8666.402(S)	869	+0.016
8953.627(S)	966	-0.082
9747.452(S) *	1234	-0.098
.481(S)	1234	-0.069
243 0443.559(S)	1469	-0.083
6317.429(S)	3452	-0.048
.465(S)	3452	-0.012
6613.673(S)	3552	-0.013
8222.216	4095	+0.112
8494.447(1/2)	4187	-0.170
8500.440	4189	-0.101
8521.384	4196	+0.108
8524.388(1/2)	4197	+0.150
8530.335(1/2)	4199	+0.173
8549.286(1/3)	4205.5	-0.129
8555.285(1/3)	4207.5	-0.055
8561.288(1/3)	4209.5	+0.024

	Minima	E	O - C
243	8589.206(1/2)	4219	-0.198
	8906.308	4326	-0.040
	8915.302	4329	+0.068
	8943.241(1/3)	4338.5	-0.133
	9291.255(1/2)	4456	-0.165
	9294.253(1/2)	4457	-0.129
	9312.212	4463	+0.067
	9315.212(1/2)	4464	+0.095

Ampl. $0^m.75$, with a remarkable (1/3) secondary minimum, EB

BV 587 = CoD $-31^\circ 15582(9^m.5)$ = CAP $-31^\circ 5567(9^m.6)$

Min = JD 242 8784.350 + $1^d.578\ 840$. E

	Minima	E	O - C
242	8784.391(S)	0	+0.041
	8799.264(S)	9.5	-0.085
	8814.317(S)	19	-0.031
243	4242.404(S)	3457	+0.004
	4246.282(S)	3459.5	-0.065
	4561.311(S)	3659	-0.016
	4572.391(S)	3666	+0.014
	8261.269(3/4)	6002.5	-0.068
	8553.462(3/4)	6187.5	+0.040
	8557.335	6190	-0.035
	.358	6190	-0.012
	.379	6190	+0.009
	.401	6190	+0.031
	.462(3/4)	6190	+0.092
	8587.386	6209	+0.018
	8640.219(3/4)	6242.5	-0.040
	8992.267(3/4)	6465.5	-0.073
	9318.358	6672	-0.012

Ampl. $0^m.45$, with a deep (3/4) secondary minimum, EB

BV 1046 = BD $-10^{o}2409(9^{m}.1)$ = HD 68 178(A2)

Min = JD 242 7120.550 + $2^{d}.516\ 440$. E

Minima	E	O - C
242 7120.444(1/2)	0	-0.106
7533.333(3/4)	164	+0.087
7860.375(S)	294	-0.008
8245.309(S, 3/4)	447	-0.090
8879.568(S)	699	+0.026
243 0346.609(S)	1282	-0.017
1914.329(S)	1905	-0.039
3630.528(S, 3/4)	2587	-0.052
.569(S)	2587	-0.011
3947.622(S)	2713	-0.030
4808.338(S)	3055	+0.064
5520.433(S)	3338	+0.006
7669.528	4192	+0.062
8472.244	4511	+0.033
8492.225(1/2)	4519	-0.117
9169.371(1/2)	4788	+0.106
9174.343	4790	+0.045
9179.319	4792	-0.011

Ampl. $0^{m}.45$, no secondary minimum, EA

BV 783 = BS Sco Erroneously this star got a BV-No, though it is already named as BS Sco. Our minima permit a control of the elements published in the GCVS (Moscow 1958):

Min = JD 242 8508.160 + $7^{d}.622\ 216$. E

EA, $11^{m}.5$ - $13^{m}.2$, F8

Minima	E	O - C
242 8660.560(S)	20	-0.044
8744.338(S)	31	-0.111
8759.480(S)	33	-0.213
8805.307(S)	39	-0.119
243 4240.312(S)	752	+0.246
4278.332(S)	757	+0.154
4514.482(S)	788	+0.016
.566(S)	788	+0.100
4537.462(S)	791	+0.129
8234.360	1276	+0.252
8257.267	1279	+0.293
8592.338	1323	-0.014
8615.301	1326	+0.083
8638.219	1329	+0.134
8943.379	1369	+0.406
8966.309	1372	+0.469
9301.419	1416	+0.201

(S) = Sonneberg, Miss H. GESSNER

Remeis Observatory
Bamberg, September 26, 1967

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