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ELEMENTS FOR SONNEBERG VARIABLES (VI)

S 4847 = CSV 545 = CoD $-45^{\circ}1909$ ($9^{m}.6$) = HD 273 665 (Ao) = BV 455

Min = JD 242 8815.475 + $1^{d}.838\ 115$. E

Minima	E	O − C
242 8815.498 (S)	0	+0.023
8837.515 (S)	12	−0.017
8861.328 (S)	25	−0.046
243 4324.379 (S)	2997	+0.073
4335.341 (S)	3003	+0.007
8317.552	5170	+0.022
8377.379	5202	+0.030
8377.367 (1/3)	5207	−0.173
8739.416 (3/4)	5399	−0.042
8753.376 (1/2)	5406.5	+0.132
9031.625 (1/2)	5558	−0.092
9150.286 (1/2)	5622.5	+0.010
9443.450	5782	−0.006

Ampl.$0^{m}.35$, with a remarkable (1/2) secondary minimum, EA
C.HOFFMEISTER, Erg AN 12, Nr.1, 1949

S 4973 = CSV 2049 = CoD $-44^{\circ}8789$ ($9^{m}.7$) = HD 118 695 (A5) = BV 845

Min = JD 242 7987.345 + $0^{d}.537\ 1675$. E

Minima	E	O − C
242 7987.299 (S)	0	+0.046
8257.530 (S)	503	−0.010
8334.311 (S)	646	−0.044

	Minima	E	O - C
	8361.252 (S)	696	+0.038
	8369.248 (S)	711	-0.023
	8687.289 (S)	1303	+0.015
243	4240.216 (S)	11640.5	+0.018
	4535.418 (S)	12190	+0.001
	8190.260 (3/4)	18994	-0.044
	8197.306	19007	+0.018
	8225.213	19059	-0.007
	8474.463	19523	-0.003
	8475.501	19525	-0.039
	8520.386 (3/4)	19608.5	-0.008
	8524.388	19616	-0.035
	8530.335	19627	+0.003
	8583.201 (1/2)	19725.5	-0.041
	8586.204	19731	+0.007
	8822.533	20171	-0.018
	8877.358	20273	+0.016
	8878.405	20275	-0.011
	8885.359	20288	-0.040
	8906.308	20327	-0.041
	8916.254 (1/2)	20345.5	-0.032
	.299 (1/2)	20345.5	+0.013
	8933.214	20377	+0.007
	8934.255	20379	-0.026
	9182.440	20841	-0.013
	9202.341	20878	+0.013
	9209.318	20891	+0.007
	9230.262	20930	+0.001
	9232.417	20934	+0.008
	9614.316	21645	-0.020
	.362	21645	+0.026

Ampl. 0^{m}.35, with a deep 3/4 secondary minimum, EB

C.HOFFMEISTER, Erg AN 12, Nr.1, 1949

S 6276 = CSV 6752 = CAP $-66^{\circ}1108$ ($9^{m}.0$) = BV 697, Cape: A3

Min = JD 243 6742.200 + $1^{d}.197\ 375$. E

Minima	E	O - C
243 6691.256 (S)	-42.5	-0.056
6742.213 (S)	0	+0.013
6748.215 (S)	5	+0.028
8439.402 (1/2)	1417.5	-0.077
.446	1417.5	-0.033
8442.442	1420	-0.030
.485	1420	+0.013
8472.376	1445	-0.031
8475.375	1447.5	-0.025
8797.465 (1/2)	1716.5	-0.029
.510 (3/4)	1716.5	+0.016
8818.402 (1/2)	1734	-0.046
.449	1734	+0.001
8824.400 (1/2)	1739	-0.035
.444	1739	+0.009
9179.458 (3/4)	2035.5	+0.001
9200.396	2053	-0.015
9209.378 (3/4)	2060.5	-0.013
9525.476 (3/4)	2324.5	-0.022

Ampl. $0^{m}.50$, with a very deep (3/4) secondary minimum, EW or EB

C.HOFFMEISTER, VSS 6, Nr.1, 1963: 10^{m} - $10^{m}.5$, E

S 7672 = HI Tel = CAP $-52^{\circ}11289$ ($10^{m}.2$) = CoD $-52^{\circ}8886$ (10^{m}) =
= BV 887, b = $-22^{\circ}.5$

Max = JD 242 8335.5 + $30^{d}.43$. E

Maxima	E	O - C
242 8334.5 (S)	0	-1.0
8336.5 (S)	0	+1.0
8364.4 (S)	1	-1.5
8366.4 (S)	1	+0.5
8394.4 (S)	2	-2.0
8670.6 (S)	11	+0.4
8673.6 (S)	11	+3.4
8697.5 (S)	12	-3.2
8699.5 (S)	12	-1.2
243 4237.4 (S)	194	-1.5
4303.3 (S)	196	+3.5
4483.5 (S)	202	+1.1
4540.5 (S)	204	-2.7
4571.5 (S)	205	-2.2
8253.3	326	-2.4
8257.3	326	+1.6
8258.3	326	+2.6
8589.4	337	-1.0
8590.4	337	0.0
8992.3	350	+6.3
9019.2	351	-2.8
9318.4	361	-2.3
9347.3	362	-3.9
9380.2	363	-1.4
9383.2	363	+1.6

Ampl. $1^{m}.7$, minimum at phase 0.65, Cepheid;
discovered by C.HOFFMEISTER, AN 287, 59, 1963: medium period,
perhaps E-type

(S) = Sonneberg, H.GESSNER

Remeis Observatory W.STROHMEIER
Bamberg, 1968 Febr. 10