

COMMISSION 27 OF THE I. A. U  
 INFORMATION BULLETIN ON VARIABLE STARS  
 NUMBER 199

Konkoly Observatory  
 Budapest  
 30 April 1967

Veröffentlichungen der Reimers-Sternwarte Bamberg  
 Astronomisches Institut der Universität Erlangen - Nürnberg  
 Band VI, Nr. 49

ELEMENTS FOR SONNEBERG VARIABLES (V)

S 4812 = K3 $\Pi$  275 = CAP -56<sup>o</sup>495 (10<sup>m</sup>.6) = BV 991  
 Min = JD 242 8048.610 + 0.<sup>d</sup>480 4562 . E

Minima	E	O - C
242 8048.615(S)	0	+0. <sup>d</sup> 005
8073.568(S)	52	-0.026
8122.400(S)	153.5	+0.040
8403.666(S)	739	-0.001
8844.450(S)	1656.5	-0.036
8861.353(S)	1691.5	+0.051
8890.358(S)	1752	-0.011
243 4239.579(S)	12885.5	+0.051
8263.624	21261	+0.031
8268.616(3/4)	21271.5	-0.018
8315.504	21369	+0.026
8374.315	21491.5	-0.019
8697.431	22164	-0.010
8724.361	22220	+0.014
9006.594(3/4)	22807.5	-0.021
9032.518(3/4)	22861.5	-0.041
9054.476(3/4)	22907	+0.056
9106.328	23015	+0.019
9409.475	23646	-0.002
9436.399	23702	+0.016

Ampl.  $0^m.35$ , with a very deep (3/4) secondary minimum, EW.  
 For periods under  $0^d.5$ , the data which are obtained on sky patrol plates  
 are preliminary. Therefore also the period must be considered as un-  
 certain.

$$\underline{S\ 4815} = K3\pi\ 307 = \text{CoD } -46^{\circ}1038(9^m.9) = \text{BV } 993$$

$$\text{Min} = \text{JD } 242\ 8761.550 + 2^d.603\ 107 . E$$

Minima	E	O - C
242 8761.563(S)	0	+0 <sup>d</sup> .013
8821.547(S)	23	+0.011
8842.418(S)	31	+0.017
8889.325(S)	49	-0.022
243 4272.534(S)	2113	+0.054
8257.637	3641	-0.031
8355.392(1/3)	3678.5	-0.080
8397.280(1/3)	3694.5	+0.079
8711.395(1/2)	3815	-0.083
8723.359(1/3)	3819.5	+0.144
8724.406(1/2)	3820	-0.113
8728.410(1/2)	3821.5	-0.021
8753.285(3/4)	3831	+0.077
.331(1/3)	3831	+0.123
8995.639(1/2)	3924	-0.133
9380.551(1/3)	4071.5	+0.093
9410.459	4083	+0.008
9435.396(1/3)	4092.5	+0.168
9436.399(1/3)	4093	-0.133
.444(3/4)	4093	-0.088
9444.404	4096	+0.048

Ampl.  $0^m.45$ , with a remarkable (1/2) secondary minimum, EB

S 7615 = CoD -48<sup>U</sup>2869(10<sup>m</sup>) = BV 490

Min = JD 242 8848.750 + 2.<sup>d</sup>589 635 . E

Minima	E	O - C
		d
242 8848.517(S)	0	-0.233
243 4302.536(S)	2106	+0.015
4328.420(S)	2116	+0.002
4359.486(S)	2128	-0.007
4416.438(S)	2150	-0.027
4512.258(S)	2187	-0.024
8386.456(1/2)	3683	+0.080
8443.310	3705	-0.038
8461.344(1/4)	3712	-0.131
.367(1/2)	3712	-0.108
8707.572(3/4)	3807	+0.082
8759.432(1/4)	3827	+0.149
8768.404(1/4)	3830.5	+0.057
8785.292(1/2)	3837	+0.113
.340(1/4)	3837	+0.161
8816.291	3849	+0.036
9150.378	3978	+0.060
9168.327(1/4)	3985	-0.118
9176.279	3988	+0.055
9445.540	4092	+0.004

Ampl. 1.<sup>m</sup>05, with a weak secondary minimum, EA

(S) = Sonneberg. Again many thanks to Miss H. GESSNER for her search of minima on Sonneberg Sky Patrol Plates.

Remeis Observatory  
Bamberg, April 24, 1967

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