BV 449 AND BV 600, TWO BRIGHT EB-STARS

The derivation of periods of variable stars from sky patrol plates often leads to preliminary or even to pseudo-periods because of the special nature of the distribution of exposure times in Julian date, caused by the observing conditions. Often the number of minima is too small for a final statement. However, BV-stars are bright new variables and because of the general interest (photoelectric or spectroscopic measurements) in such stars the early announcement should not be hampered by the possibility that a later correction to the first results might come out to be necessary.

BV 499 = BD $-12°4227$ (7^m0) = HD 135 681 (A2)

Min = JD 242 6811.490 + 0^d612 077 . E

Minima	E	O - C
242 5758.429	-1720.5	+0.018
6811.463	0	-0.027
.492	0	+0.002
7131.650 (3/4)	523	+0.044
7185.499	611	+0.030
7212.415	655	+0.015
242 7216.396	661.5	+0.017
243 7376.598	17261	+0.047
7819.408	17984.5	+0.019

Minima	E	O - C
243 8202.290	18610	+0.047
8471.538	19050	-0.019
8494.492	19087.5	-0.018
8502.482	19100.5	+0.015
8525.427	19138	+0.007
8548.331	19175.5	-0.041
8556.329	19188.5	-0.001
8580.245 (3/4)	18227.5	+0.045
8587.251	19239	+0.012
8880.423	19718	-0.001
8911.340	19768.5	+0.006
8934.302	19806	+0.015
8942.261	19819	+0.017
8964.219	19855	-0.060
9235.410	20298	-0.019
9261.400 (3/4)	20340.5	-0.042
9269.376	20353.5	-0.023
9289.310	20386	-0.018

Ampl. $0\overset{m}{.}40$, the secondary minimum is of similar depth as the primary minimum.

$$BV\ 600\ =\ BD\ -17^{o}\ 6422\ (6\overset{m}{.}8) = HD\ 209\ 278\ (A2)$$

$$Min\ =\ JD\ 243\ 6814.440 + 0\overset{d}{.}945.006\ .\ E$$

Minima	E	O - C
243 6814.418	0	-0.022
6850.330	38	-0.020
6868.306	57	+0.001
7174.435 (3/4)	381	-0.052
7203.355 (1/2)	410.5	-0.010
8618.444	1909	-0.012
8636.400	1928	-0.011
8672.286	1966	-0.036
8691.244	1986	+0.022
8692.250 (1/4)	1987	+0.083
9023.337 (1/4)	2337.5	-0.059
9051.246	2367	-0.023

Ampl. $0\overset{m}{.}60$, the secondary minimum is half of the primary minimum.

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