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BD+37°2641

This star was announced to be a possible eclipsing binary by Peniche et al. (1985).

I examined the star on 515 Sonneberg Sky Patrol Plates (JD 243 5868... 45822). Both variability and the EA-type is confirmed.

The following elements were received:

min. (hel) = JD 2438883.457+0.^d8469935 . E
 (10^m.2 - 11^m0/10^m.85 ph) - In addition to SA 59
 D I = 0P15 (Harvard/Groningen).
 D II = 0P13 Centre/Edge/Relation
 was considered (Huth, 1967).

15 Min. I and 10 Min. II were found (see Table I):

Table I		
Min. I		
JD(hel) 24..	E	O-C
35960.479	-3451	- 0. ^d 003
37028.536	-2190	- 005
045.486	-2170	+ 005
38169.458	- 843	+ 017
849.567	- 40	- 010
883.454	0	- 003
933.426	+ 59	- 004
39968.465	+1281	+ 009
40068.389	+1399	- 012
101.428	+1438	- 006
41181.360	+2713	+ 010
666.671	+3286	- 007
43655.421	+5634	+ 003
45381.601	+7672	+ 010
493.405	+7804	+ 011
46189.62 *	+8626	000
Min. II		
37823.452	-1251.5	+ 007
38852.555	- 36.5	+ 013
39025.327	+ 167.5	- 001
379.355	+ 585.5	- 017
499.648	+ 727.5	+ 003
538.609	+ 773.5	+ 003
611.447	+ 859.5	- 001
40531.275	+1945.5	- 008
41056.428	+2565.5	+ 009
42185.443	+3898.5	- 018
45077.93 **	+7313.5	- 01

* Locher (1985)

** Peniche et al. (1985)

Further particulars will be published in "Mitteilungen der Bruno - H. -
Bürgel - Sternwarte Hartha".

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-Zentrale des AKV-

References:

Huth,H., 1967, Sterne 1-2. 34

Locher,K., 1985, BBSAG-Bull. No. 77

Peniche,R., Gonzalez,S.F., and Pena,J.H., 1985, Comm. 27. I.A.U., Inf.Bull.
Var.Stars No. 2690

ERRATUM

In Figure 2 of the announcement on HD 50845 in IBVS No. 2710, the
wavelength interval between the arrows is 30 Å, and not 5 Å, as indicated.

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