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**ERRATUM TO IBVS NO. 4855 AND TIMES OF MINIMA
OF THE ECLIPSING BINARY V357 PEGASI**

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Observatory and telescope:
16" Cassegrain telescope at TUBITAK [†] National Observatory.

Detector:	SSP-5A photoelectric photometer, Hamamatsu 4457 pmt.
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Method of data reduction:
Reduction of the data were made in the usual way.

Method of minimum determination:
Times of minima were determined by the method of Kwee and van Woerden

Observed star(s):							
Star name	GCVS	Coordinates (J2000)		Comp. star	Ephemeris		Source
	type	RA	Dec		E 2400000+	P [day]	
V357 Peg	EW	23 45 35	+25 28 52	HIP 116688	48500.3159	0.578452	1

Source(s) of the ephemeris:
1. The Hipparcos & Tycho Catalogues (ESA, 1997)

Times of minima:						
Star name	Time of min. HJD 2400000+	Error	Type	Filter	<i>O – C</i> [day]	Rem.
V357 Peg	51810.4986	0.0004	II	<i>U, B, V, R</i>	-0.0007	This work
	51812.5233	0.0005	I	<i>U, B, V, R</i>	-0.0006	This work
	51817.4412	0.0010	II	<i>U, B, V, R</i>	0.0005	This work
	51819.4662	0.0010	I	<i>U, B, V, R</i>	0.0009	This work

[†]TUBITAK : The Scientific and Technical Research Council of Turkey

Remarks:

There is an error in Table 1 in Keskin et al. (2000), in the minima types (primary or secondary) of the V357 Peg. Type I (as primary min.) should have been type II (as secondary min.) and vice versa. The results of this error are: a) the light elements for min I given in Table 2 in Keskin et al. (2000) should have been for Min II b) this confusion of minima types caused Yasarsoy et al. (2000) to reach a wrong conclusion to point out that the secondary minima of the system are deeper than the primary minima. The authors have admitted the confusion that they committed in private communications.

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References:

- ESA, 1997, *The Hipparcos & Tycho Catalogues*, ESA SP-1200
Keskin, V., Yasarsoy, B., Sipahi, E., 2000, *IBVS*, No. 4855
Kwee, K. K. and van Woerden, H., 1956, *B.A.N.*, **12**, 330
Yasarsoy, B., Sipahi, E., Keskin, V., 2000, *IBVS*, No. 4866