

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

Number 1855

Konkoly Observatory  
 Budapest  
 1980 October 15  
 HU ISSN 0374-0676

THE MAXIMUM TIMES AND NEW LIGHT ELEMENTS  
 OF 28 AQUILAE

The Delta Scuti type variable 28 Aql has been observed at Ege University Observatory from June 13, to July 15, 1980. The observations were carried out with the 48 cm Cassegrain reflector equipped with an unrefrigerated EMI 9781A photomultiplier. The intermediate band filters were used at the observations.

The maximum times obtained during the observations are given in the following table.

Table I

The maximum times of 28 Aql

JD Hel.	O-C (I)	O-C (II)	E	Filter
2444404.5209	-0 <sup>d</sup> .0112	-0 <sup>d</sup> .0125	-13	b
.5271	-0.0050	-0.0063	-13	y
405.4417	+0.0096	+0.0103	- 7	b
.4404	+0.0083	+0.0090	- 7	y
406.4821	0.0000	+0.0031	0	b
.4807	-0.0014	+0.0017	0	y
416.5018	-0.0303	-0.0046	67	b
.5015	-0.0306	-0.0049	67	y
421.4527	-0.0294	+0.0074	100	b
.4436	-0.0385	-0.0017	100	y
426.5305	-0.0516	-0.0034	134	b
.5278	-0.0543	-0.0061	134	y
427.4305	-0.0516	-0.0014	140	b
.4285	-0.0536	-0.0034	140	y
428.4778	-0.0543	-0.0017	147	b
.4799	-0.0522	+0.0004	147	y
429.3799	-0.0522	+0.0024	153	b
.3847	-0.0474	+0.0072	153	y
436.4139	-0.0682	+0.0022	200	b
.4146	-0.0675	+0.0019	200	y

For the preliminary elements JD Hel. 2444406.4821 and a period of 0<sup>d</sup>.150 were taken. The O-C(I) residuals were computed

with these elements. The least square solution has been applied and the new light elements were derived as follows:

$$\text{Max.} = \text{JD Hel. } 2444406.4790 + 0.^{\text{C}}149663 \cdot \text{E.}$$

$\pm 21$                        $\pm 17$

The O-C(II) residuals were computed using these new light elements.

The light curves and the variations of their amplitudes will soon be published elsewhere.

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