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**A NEW ECLIPSING BINARY (Fr3 Cnc)\***

On photographic observation of asteroid 4179 Toutatis on December 28/29, 1992 (with a Lichtenknecker Highspeed-Flatfield-Camera  $f=576/2.0$ ) I found eclipsing light variation (about 11.0-11.5 mag.) on one of three comparison stars.

In the following two months I could observe a further primary minimum and two secondary minima. Moreover I could fill the gaps over the total phase, so that first rough elements could be derived:

$$\text{Min.} = \text{JD } 2449030.430 + 1^d 323147 \times E$$

The duration of the primary minimum is short (about half an hour—Figure 1) is contrast to the relatively long "d" of the secondary minimum (about 0.25 mag.) of nearly one hour (Figure 2). In view of these facts photoelectric observations are highly recommended.

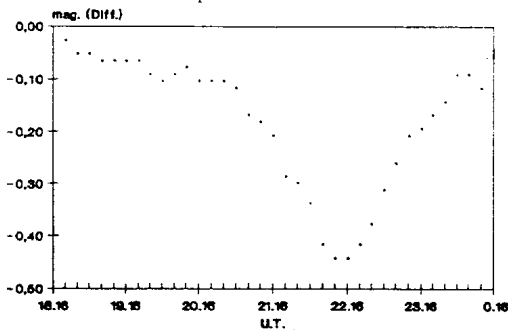


Figure 1

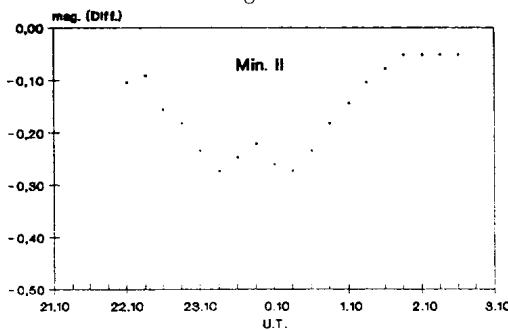
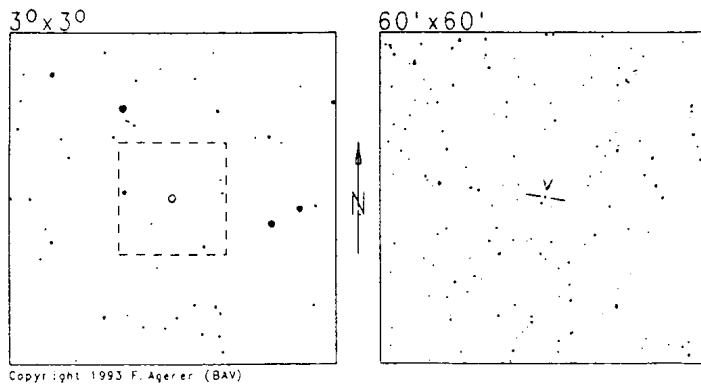


Figure 2

\*This is an independent discovery of light variation of GSC 1383\_600 announced in the No. 3839 issue of the IBVS. (The Editors)

Coordinates for Epoch 2000.0: RA=08<sup>h</sup>29<sup>m</sup>39<sup>s</sup> D=+17°17' 01".

The finder chart (Figure 3a) shows a field of 3°×3° of the SAO-Atlas, and a 1°×1° field of the TMA-Atlas (Figure 3b).



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Figure 3a and 3b

Peter FRANK  
Hauptstrasse 4, W-8319 Velden/Vils  
Bundesdeutsche Arbeitsgemeinschaft  
für Veränderliche Sterne e.V. (BAV)