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# PHOTOELECTRIC OBSERVATIONS OF THE SYMBIOTIC BINARY EG ANDROMEDAE

A period of 474 days obtained from spectroscopic observations was announced for this bright symbiotic star (Chochol, 1987 and Chochol et al.1987). Photoelectric measurements taken by the same author confirm this period.

In addition to the measurements of Chochol et al. I give UBV photoelectric observations of this star, obtained by the Sonneberg 60 cm mirror II. Comparison star is BD + 39° 158, the magnitudes are the differences m (EG And) - m (BD +39° 158).

| JD | ΔV | ΔB | ΔU | |
|---|---|---|---|---|
| 244 5926.6 | +0.19 | +1.30 | +3.07 | (Min) |
| 5935.6 | .22 | 1.37 | 3.05 | (Min) |
| 6002.5 | .16 | 1.26 | 2.91 | |
| 6004.4 | .13 | 1.30 | 2.87 | |
| 6006.5 | .13 | 1.26 | 2.88 | |
| 6036.4 | .13 | 1.25 | 2.90 | |
| 6322.6 | .24 | - | - | |
| 6327.6 | .22 | 1.28 | 2.95 | |
| 6334.6 | .29 | 1.34 | 3.00 | (Min) |
| 6335.5 | .28 | 1.34 | 3.03 | (Min) |
| 6338.6 | .31 | 1.37 | 3.04 | (Min) |
| 6343.5 | .27 | 1.34 | 3.03 | (Min) |
| 6646.5 | .23 | 1.26 | 2.70 | |
| 6718.5 | .14 | 1.16 | 2.57 | |
| 6762.6 | .31 | 1.33 | 2.79 | |
| 6982.5 | .18 | 1.19 | 2.74 | |
| 6990.5 | .14 | 1.17 | 2.72 | |

The observations confirm the minimum at JD 244 6337 (Chochol et al.,1987) but they show the end of a minimum at JD 244 5930. This minimum wouldn't confirm the period of 474 days. Unfortunately the observations are too rare and there are no measurements during the subsequent calculated minimum at JD 244 6811 to give clear evidence.

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