

COMMISSION 27 OF THE I. A. U.  
INFORMATION BULLETIN ON VARIABLE STARS  
NUMBER 375

Konkoly Observatory  
Budapest

POSSIBLE OUTBURST OF HD 108486,  
OBSERVED 1965 APRIL 5

At a photoelectric test for small variability of A-stars, performed in 1965 at Kottamia Observatory, there were among others 28 stars of the Coma Cluster on the program. One of them was the Am-star HD 108486 = No.139 of Johnson and Kuckles, ApJ 122, p.209. During six nights in 1965 this object was compared in the V region 36 times respectively with the stars HD 108651 = No. 145 and HD 107935 = No.104. The mean error of one measurement was about  $\pm 0.008$  mag. The observations were made within large intervals, mostly about one hour, as there were other stars to be tested as well.

On April 5, 1965, HD 108486 showed an increase of brightness of 0.15 mag. During the observation it was supposed at first that it might be a common light variation. But one hour later the observation showed again the normal brightness, so we have here most probably a small eruption. This observation seems to be quite certain, as the difference of brightness, deduced from the measurements, between the two comparison stars is constant, as well as the differences of brightness between the comparison stars and other test stars.

In 1967 and 1968 HD 108486 was compared with HD 108651 42 times in all with the 35-cm-mirror in the UVB-system here at Sonneberg. In all three colours the light fluctuations were not larger than 0.03 mag.

Deutsche Akademie der  
Wissenschaften zu Berlin  
Zentralinstitut für Astrophysik  
Sternwarte Sonneberg

G.JACKISCH