

Abstracts

↳ **TIMES OF MAXIMA AND MINIMA OF MIRA VARIABLES IN 1985 (p. 58.)**

Last year 6.296 estimates were received on 284 stars from the members of Pleione Variable Star Observing Network. We determined maxima and minima times for the most closely observed 80 stars. The results are listed in three columns. The first column contains the name of the star, the last three digits of the Julian Date of the maximum (minimum) and the observed brightness, respectively. "M" means maximum, "m" means minimum.

↳ **METEOR OBSERVATIONS IN AUGUST, 1986 (p. 43.)**

This month 107 observers carried out 930 hours visual and 200 hours photographic monitoring. We organized two observing camps, to observe Perseids and other streams. Highest number of meteors were detected during a 5.5 hour long run of 9 observers on the night of August 12/13 when they detected 615 meteors. Beside Perseids we recorded the presence of other active streams, e.g. Cassiopeids (p.45.) and Upsilon Pegasus (p.45). The ZHR values for these streams will be published later.

Photographic observer Ernő Berkó recorded 35 meteor trails with unguided cameras during his 100-hour long observing. He measured exact positions of 19 trails and determined nightly radiant positions of Perseids. We present Berkó's two meteor photographs.

↳ **R CAS 1973-86 (p. 19.)**

The observers of the Pleione Variable Star Observing Network produced near one thousand estimates on Mira variable R Cas between 1973-1986. We used 10-day averages to produce the light curve. Analyzing these averages by Discrete Fourier Transformation we got a 431.8 day period.

The mass of R Cas is $M = 0.9 M_{\odot}$, its surface temperature is 2750 K, the radius of the star is $R = 360 \pm 40 R_{\odot}$.

meteor

A TIT Csillagászat Baráti Köre megfigyelési tájékoztatója csillagászati szakkörök és észlelő amatőrcsillagászok számára

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meteor

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