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DISCOVERY OF A NEW MIRA VARIABLE

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|---|--|
| Name of the object: | |
| IRAS 17506+3411 = USNO A1.0 1200.08799479 | |
| Equatorial coordinates: | Equinox: |
| R.A. = 17 ^h 52 ^m 24 ^s .1 DEC. = +34°11'12" | J2000.0 |
| Observatory and telescope: | |
| 40-cm astrograph in Crimea | |
| Detector: | Photoplate |
| Filter(s): | None |
| Comparison star(s): | See Fig. 1 |
| Check star(s): | None |
| Transformed to a standard system: | B_{pg} |
| Standard stars (field) used: | B -band standard sequence in SA 62 (Prieser, 1974) |
| Availability of the data: | |
| Upon request | |
| Type of variability: | M |
| Remarks: | |
| The variability of the star was discovered by S. Antipin (priv. comm.). 160 estimates in interval JD2433031–49634 show variations typical of Mira type variable with the following light elements: $JD_{\max} = 2445197 + 261^{\text{d}}.3 \times E.$ The range of variability is 13 ^m 8–17 ^m 5. | |
| Acknowledgements: | |
| The authors would like to thank Dr. V.P. Goranskij for his help and useful discussion. | |

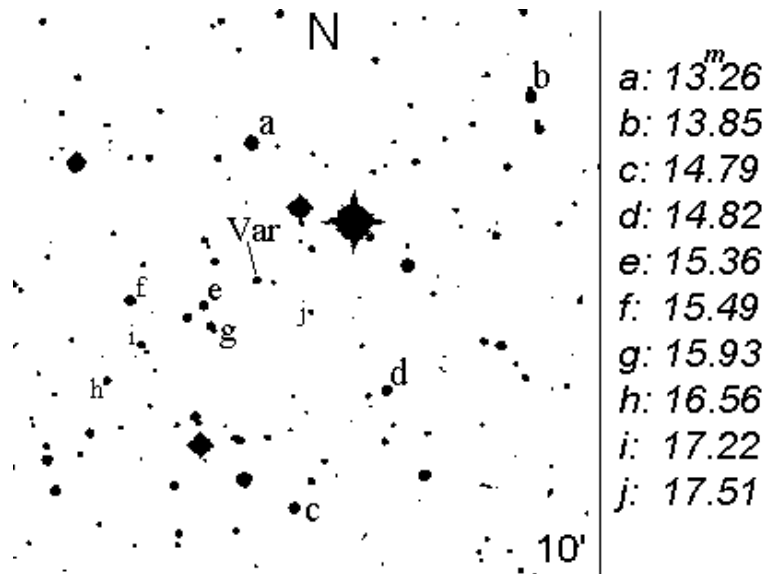


Figure 1. Finding chart and comparison stars.

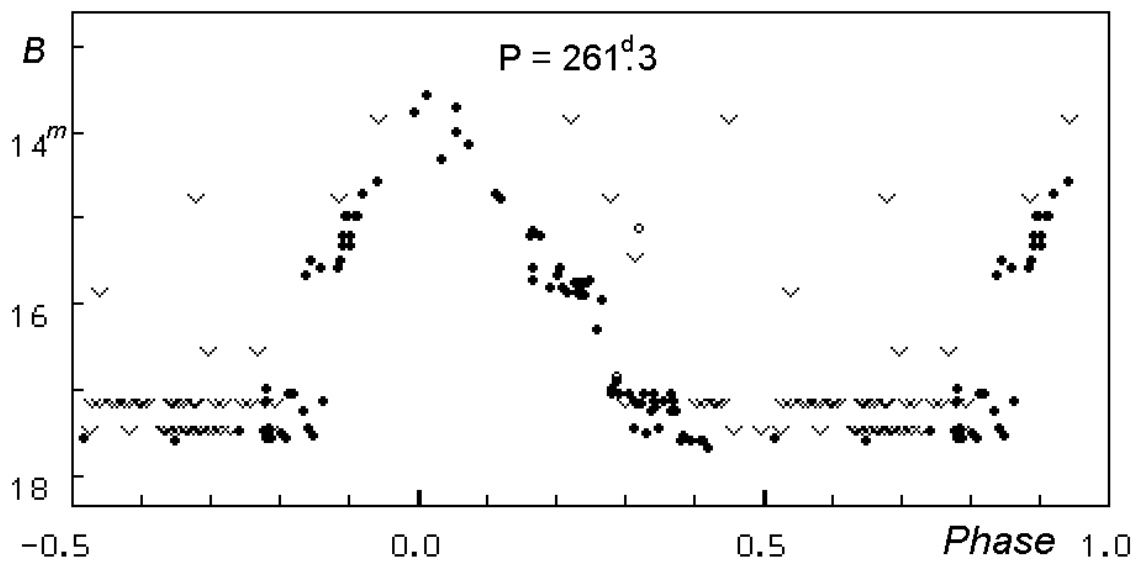


Figure 2. Phased light curve. Uncertain estimates are shown as open circles, “v” symbols represent upper limits.

Reference:

Prieser, J.B. 1974, Naval Observ. Publ., vol. XX, p. VII, Washington