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GSC 614.01209 IS A NEW VARIABLE STAR

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|---|--|
| Name of the object: | |
| GSC 614.01209 | |
| Equatorial coordinates: | Equinox: |
| R.A. = 01 ^h 30 ^m 26 ^s .9 DEC. = +08°41'34" | J2000.0 |
| Observatory and telescope: | |
| Astronomical Observatory of Kharkiv State University, 70-cm telescope | |
| Detector: | ST-6V CCD |
| Filter(s): | V |
| Transformed to a standard system: | V (close to the standard Johnson's system) |
| Standard stars (field) used: | Field P-528 from Lasker et al. (1985) |
| Availability of the data: | |
| Through IBVS Web-site as 4730-t1.txt | |
| Type of variability: | SXPHE |
| Remarks: | |
| <p>Discovered as a by-product of CCD observations of the asteroid 2100 Ra-Shalom. Image reductions and photometry: AstPhot package (Mottola et al., 1995). The star shows rapid, Delta Scuti-like variations between 13^m66 and 14^m41 V. Preliminary light elements (from two maxima, the first of them incompletely covered):</p> $\text{Max hel} = 2450698.50525 + 0^d05875 \times E.$ <p>The star is at a high galactic latitude ($b = -53^\circ$), so the star probably belongs to the SX Phe subtype of Delta Scuti variables.</p> | |

References:

- Lasker, B.M., Sturch, C.R., Lopez, C. et al. 1988, *Astrophys. J. Suppl. Ser.*, **68**, 1
 Mottola, M., De Angelis, G., Di Martino, M. et al. 1995, *Icarus*, **117**, 62

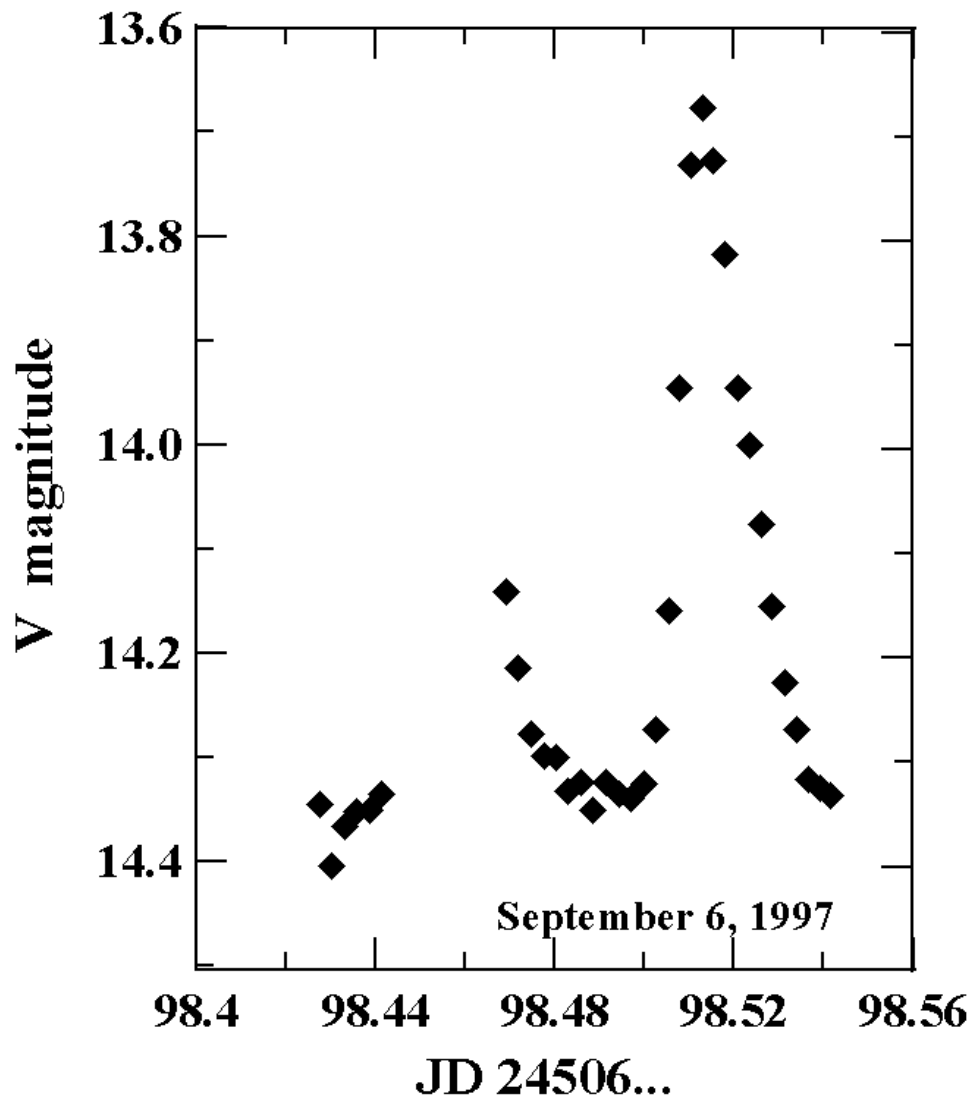


Figure 1.