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THE PROPER MOTION OF THE AGK3 VARIABLE STARS. II.
SS Vir

This is the second note on a program conducted to check the proper motion of the AGK3 variable stars which seem to be affected by systematic errors. In note I (Lopez, 1986), CR Gem (AGK3 +16 639) was discussed. The case of SS Vir = AGK3 +1° 1462 = BD +1° 2694 = HD 108105 is herein presented.

The first-epoch position is based on the published material of the Algier Astrographic Catalogue (AC) where SS Vir was identified with object 41 on plate 2053 (zone +1 epoch 1909.25). The second-epoch position has been obtained from a new plate (epoch 1986.50) taken with the Double Astrograph of El Leoncito Station. Both plates were treated in the same way and reduced using the surrounding AGK3 stars as a reference system. The mean error for the AC plate is $\pm 0''.20$ in α and $\pm 0''.25$ in δ , while for the second-epoch it is $\pm 0''.28$ in α and $\pm 0''.26$ in δ .

The resulting annual proper motion is:

$$\mu\alpha\cos(\delta) = 0''.000 \pm 0''.004 \text{ (me)} \quad ; \quad \mu\delta = -0''.002 \pm 0''.005 \text{ (me)}$$

The values quoted in the AGK3 are: $\mu\alpha = -0''.176$, $\mu\delta = -0''.137$.

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Reference:

Lopez, C.E.: 1986. IAU Inf. Bull. Var. Stars No. 2864