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UNUSUAL VARIABLE S 5420 AURIGAE—
NOVA AURIGAE 1960—1964

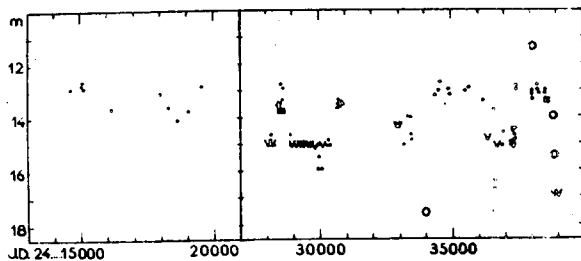
In IBVS No.93 C.Hoffmeister makes the assumption that variable S 5420 Aurigae is a Nova of RT Serpentis-type.

The star has been investigated on 116 plates of the Sternberg Astronomical Institute, Moscow (JD 2414691-2438500). Six rises of the brightness have been found, the first one has occurred in 1899-1900. The results from Moscow plates and the estimates obtained by me in 1960 on Sonneberg plates of the camera 140/700 mm after the discovery of the variable are shown in the figure, together with Hoffmeister's estimate on Palomar Sky Atlas, 1951 Nov. 3/4, and his observations published in IBVS No.93 (1963 Jan.17/18, 1964 Dec.9 and 23, 1965 February and March).

S 5420 Aurigae is apparently a blue variable of new type. Its brightness varies between $11^m.3$ and 18^m . A cycle of about 2500-3300 days may be present in the light variations.

S 5420 Aurigae lies in the direction of the anticentre of our Galaxy, $l^{II}=183$, $b^{II}=5.5$.

Further observations, especially spectroscopic ones, are utmost desirable.



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