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GS ANDROMEDAE

The UV Ceti type star GS And has been discovered by A.K. Alksnis and A.S. Sharov on Moscow plates. A maximum of $B = 16.40$ has been observed by the two Authors on November 30, 1969 (A.C.600, 7, 1970). At minimum the magnitude is $B = 18.26$.

I have examined a number of plates (138) taken with the 67 cm Schmidt telescope of Asiago Observatory between September 1965 and December 1974.

B and V magnitudes of the comparison stars have been determined with the iris photometer, using Arp's sequence of Field IV in M31 (Baade and Swope, A.J. 68, 435, 1963).

At the minimum GS And shows fluctuations between 17.56 and 18.54 (more frequent magnitude: 18.35). The total time of observation has been 69 hours (4141 minutes).

A flare of GS And was noted on a photograph taken on December 12, 1971. At UT 18^h50^m the B magnitude of GS And was 17.20. Since the exposure was relatively long (30 minutes), the star probably was brighter at maximum.

The colour index at minimum is $B - V = + 1.84$ (five determinations).

An Asiago plate was taken on November 30, 1969 at UT 18^h04^m just two hours after the occurrence of the flare observed in the same night by Alksnis and Sharov; the B magnitude of the star was 18.54.

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