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PROBABLE NOVA BOOTIS 1962

In the course of a systematic search for variable stars by comparing 50 pairs of Sonneberg Sky Patrol plates of the constellations Coma Berenices, Bootes, Corona Borealis and Hercules I found a probable nova of $m_{pg} = 10^m.5$ on an isolated plate of 1962 December 3 (J.D. 243 8001.705).

Coordinates:

$$\alpha = 14^h 36^m.4, \quad \delta = +14^\circ 20' (1855.0).$$

The object is invisible on the Palomar Sky Survey prints and on all the other Sonneberg plates of the region. Lying in a zone of noticeable optical distortion the image could easily be distinguished from a plate fault.

Dr. L.D. Schmadel of Astronomisches Recheninstitut Heidelberg kindly checked the first 1981 numbered minor planets for the given position and date, with negative result.

It would be of high interest if the object could be observed on further plates of other collections.

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