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PHOTOMETRIC BEHAVIOUR OF THE SUSPECTED PROGENITOR OF SUPERNOVA 1987A ON PLATES
OF SONNEBERG OBSERVATORY

The star Sanduleak -69 202 was inspected on 162 blue-sensitive plates obtained by Hoffmeister covering the time between 1934 and 1938, 1952/53 and 1959. The plates were obtained by several cameras of short focal lengths. Therefore the companions of the star, which are given by West et al. (1987) coincide with the image of the progenitor. The sequence of comparison stars used was linked to stars of the regions "a" and "d" given by Westerlund (1961).

The observations are scattering within the photometric range $m_{pg} = 11^m.8$ and $m_{pg} = 12^m.5$. The mean brightness of the star amounts to $m_{pg} = 12^m.08 \pm 0.14$. The high degree of brightness scattering probably is caused by the poor quality of the plates and the place of the object on them.

The individual observations will be published in MVS, Sonneberg.

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