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V1057 CYGNI

At the suggestion of Paris Pismis and George H. Herbig, this unusual variable was observed on Harvard photographs taken earlier than 1934, thus extending the light curve of W. Wenzel (1). At least one plate was examined for each year back to 1889, and a single plate was also found for 1885 that showed stars as faint as 11th-magnitude.

From this material it seems certain that V1057 Cygni never became as bright as it did during the sudden rise to 10th magnitude in 1969 (2,3). The faintest observable images on the best Harvard plates were usually about photographic magnitude 12-13 previous to 1900, magnitude 13-14 thereafter.

Only three definite images of V1057 Cygni were found, all on plates taken with the 16-inch Metcalf refractor: JD 2422923 (magnitude 16.3), 2423289 (16.3), and 2427603 (16.1). Hence, V1057 Cygni had about the same intensity as early as 1921 as observed by Wenzel in later years.

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- (1) W.Wenzel, MVS, in press.
- (2) G.Welin, Astr. and Ap., May 1971, 312.
- (3) G.H.Herbig and E.A.Harlan, IBVS 543, 1971