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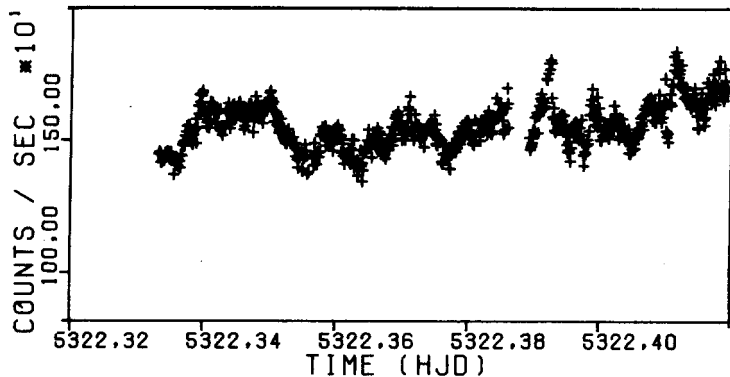
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HIGH SPEED PHOTOMETRY OF PGO244+104

PGO244+104 is among the cataclysmic variable candidates found in the Palomar Green Survey (Green et al. 1982). It is described as having high excitation emission lines, and an H β line 5000 km sec⁻¹ broad (FWZI). Green et al. list its B magnitude as 15.8.

In order to check the nature of this star I observed it on 18 December 1982 with the 40 inch reflector at the Sutherland site of the South African Astronomical Observatory. A high speed photometer was used with an S-20 response photomultiplier and no filters. The integration time was 10 secs.



The Figure shows the light curve obtained during two hours of observation. The mean light level corresponds to a B magnitude \sim 14.7, considerably brighter than previously listed.

The evident activity in the light curve shows PGO244+104 to be a rapid variable of the cataclysmic class.

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Reference :

R.F. Green, D.H. Ferguson, J. Liebert and M. Schmidt, 1982. Publ.Astr. Soc. Pacific 94, 560