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A NEW BRIGHT SOUTHERN VARIABLE STAR

The star CPD -67^o3312 = HD 156545 (Ao) has been found to be variable on the Gevaert 67A50 Scientia plates taken by A. Van Hoof, F. C. Bertiau and the authors during the years 1957-1964. All the photographic plates have been taken with the 10'' -Metcalf telescope of the Boyden Observatory (South-Africa) with an exposure time of 30 minutes.

We estimated the variable on 320 plates using the five comparison stars:

a:	- 67 ^o 3337	7 ^m .8
b:	- 68 ^o 2914	8 .1
c:	- 68 ^o 2916	8 .5
d:	- 68 ^o 2921	8 .8
e:	- 67 ^o 3319	9 .1

The estimates proved the star to be of the Algol type. The period has been derived by least squares from twelve minima:

$$P = 2^d.312923 \pm 0^d.000033$$

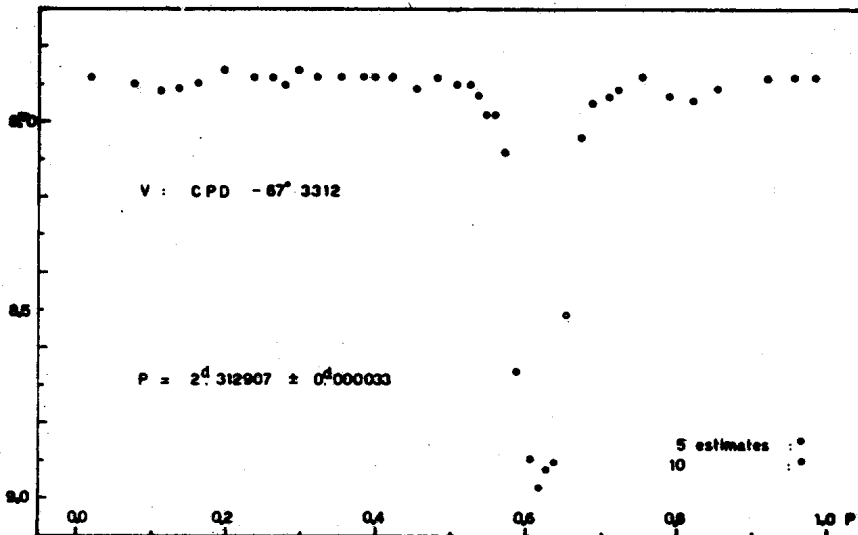
The extreme values are:

$$7^m.88 \text{ and } 8^m.97$$

Mean epoch of minimum: JD 2436891.904

The individual minima (fainter than 8^m.80) are:

J. D. min.	E	O - C	J. D. min.	E	O - C
2436 038.4375	0	-0 ^d .0212	7 132.4416	473	-0 ^d .0221
6 052.3142	6	-0 .0219	7 146.2774	479	-0 .0638
6 066.2275	12	+0 .0139	7 190.2565	498	-0 .0299
6 110.2249	31	+0 .0661	7 486.3451	626	+0 .0066
6 813.2922	335	+0 .0097	8 196.3918	933	-0 .0091
6 894.2590	370	+0 .0247	8 261.2092	961	+0 .0469
					-0 ^d .0001



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