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# THE MAGNETIC VARIABLE BETA CrB

Beta CrB was observed photoelectrically in three colours with the 60 cm reflector of the Bologna Observatory for 24 nights during the years 1968 and 1969, using Theta CrB as comparison star. It shows light variations with an amplitude of $0^{m}.022$ in yellow, $0^{m}.030$ in blue, $0^{m}.026$ in ultraviolet with the same period as found by Preston and Sturch (1) for the magnetic variation. Differing from what occurs for most magnetic variables, the light minimum takes place about $0^{p}.1$ after the negative maximum of the magnetic field.

The light curves were plotted with the phases calculated by the formula

$$\text{Min} = \text{JD } 2440335.0 + 18^{d}.487\ E$$

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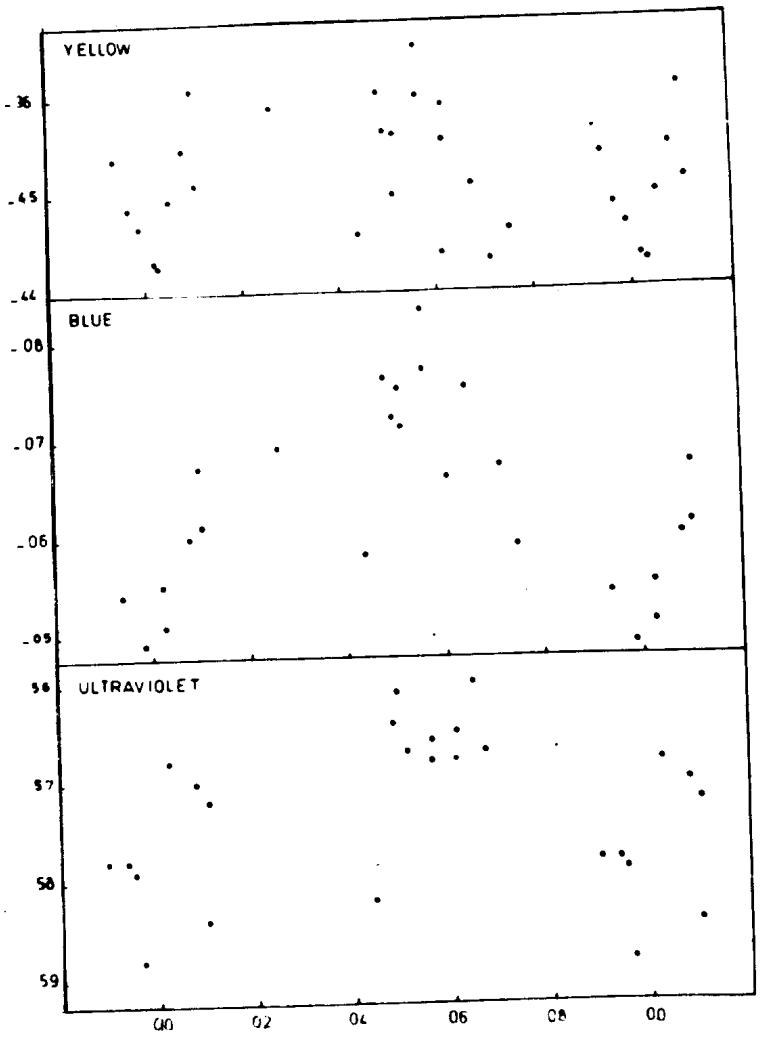
1) Preston,G.W., Sturch,C., The magnetic and related stars, Cameron R.C., Ed., Baltimore, 1967. p.111.


YELLOW
-36
-45
-44
BLUE
-08
-07
-06
-05
56
ULTRAVIOLET
57
58
59
00
02
04
06
08
00