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PHOTOELECTRIC OBSERVATIONS OF ETA CARINAE

Following reports from visual observers of the VSS, RASNZ, that Eta Carinae appeared to have brightened slightly and be fluctuating, the Auckland Observatory were requested to obtain photoelectric observations. W.S.G. Walker has advised the observations below of Eta Carinae:

1971 U.T.	V	B-V	U-B
March 23.455	6.024	+0.577	-0.360
23.464	6.008	0.585	0.358
24.406	6.005	0.591	0.354
26.611	6.028	0.603	0.321
April 25.543	5.996	0.590	0.333
28.365	6.004	0.606	0.374
28.372	5.993	0.612	0.371

The observations were made with the 50 cm Zeiss Cassegrain reflector. Comparison star was HD 93695 ( $V=6.47$ ;  $B-V=-0.13$ ). The measures of Eta Car are considered to be better than  $\pm 0.02$  in V and include the whole of the nebulosity visible in a 31" diaphragm. An arbitrary value, from measurements, for HD 93695 was adopted of  $-0.60$  for U-B.

1971 May 6

FRANK M. BATESON  
V.S.S., RASNZ  
18 POOLES ROAD,  
GREERTON,  
TAURANGA, N.Z.