

PRELIMINARY RESULTS OF A WORLD WIDE PHOTOELECTRIC CAMPAIGN
ON δ SCUTI

B. McNamara
S. Baggett
J. Pena
K. Thompson
G. Moore
L. Mantegazza
K. Sekiguchi
M. Candy

Abstract. During June 17-27, 1987 observers in Mexico, Chile, Italy, South Africa, Australia and the United States monitored the light output of the prototype variable star, δ Scuti. The goal of the network was to obtain this star's frequency spectrum. During the campaign, over 17,000 observations were obtained in the Strömgren b and y filters. A preliminary analysis has been performed and the frequencies listed in Table 1 have been tentatively identified.

A second campaign is planned for September 7 - 18, 1988.

Table 1

Frequency (c/d)	Amplitude
5.1608 ± 0.0001	0.0638 ± 0.0002
5.358 ± 0.001	0.0126 ± 0.0002
10.323 ± 0.001	0.0073 ± 0.0002
8.317 ± 0.002	0.0040 ± 0.0002
8.597 ± 0.003	0.0036 ± 0.0002
10.529 ± 0.003	0.0030 ± 0.0002