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INTERMEDIATE-BAND AND H-BETA PHOTOMETRY
 OF SHORT-PERIOD VARIABLE STARS

On seven nights in August, 1969, observations were made at Cerro Tololo Inter-American Observatory in Chile on the following 13 stars, all of which are either known short-period variables or are suspected of short-period variability. The uvby filters were of the standard type for use in Strömberg intermediate - band photometry. The H-beta filters differed somewhat from those used by Crawford, but the H-beta index has been standardized to that given by Crawford et al. As comparison objects, a number of standard stars were chosen from the lists of D.L. Crawford and J.V. Barnes and from the catalogue of B. Strömberg and C. Perry.

In the following table, n refers to the number of separate occasions on which each star was observed. For stars with appreciable amplitudes, the data refer to the mean of the light curve.

Star		b-y	m_1	c_1	β	n
HR 242	γ Phe	0.222	0.208	0.771	2.730	4
HR 431		0.210	0.151	0.773	2.713	4
HR 515		0.176	0.167	0.966	2.776	6
HR 5005		0.202	0.165	0.803	2.718	6
HR 6581	ϵ Ser	0.055	0.174	1.090	2.891	4
HR 7020	δ Sct	0.207	0.206	0.831	2.714	4
HR 7340	γ Sgr	0.128	0.196	0.962	2.860	4
HR 7928	δ Del	0.195	0.153	0.835	2.758	4
HR 8006		0.130	0.174	0.811	2.781	4
BS Aqr		0.220	0.148	0.834	2.732	10
HD 9133		0.151	0.182	0.940	2.793	4
HD 116994		0.184	0.152	0.863	2.768	10
HD 199757		0.155	0.169	0.860	2.778	10

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