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THIRTEEN NEW LOW AMPLITUDE SOUTHERN VARIABLE STARS

During the course of an investigation of the space distribution of early-type stars in Monoceros-Canis Major (Clariá 1973, Ph.D.thesis Univ. Córdoba) a number of stars were found to be low amplitude variables. UBV observations were made during 1971-72 of 247 stars in the above mentioned region using the 16-inch and 36-inch telescopes of the Cerro Tololo Inter-American Observatory, Chile. A large number of standard stars, taken from the E-regions (Cousins 1963, Roy.Obs. Bull.No.69) were observed each night. The accuracy of the V measures is about ± 0.01 mag. and the resulting mean nightly extinction coefficients $K_V=0.14$, $K_{bv}=0.09 - 0.03(b-v)$, and $K_{ub}=0.30 - 0.01(u-b)$ were very close to the standard CTIO values. The stars in the following list were found to have variations greater than 0.08 mag. in V.

HD/CD	maximum brightness in V	V amplitude	n
51454	9.33	0.11	3
51477	8.04	0.10	3
51542	9.46	0.09	3
51625	9.83	0.10	5
52721	6.49	0.23	6
53339	9.26	0.13	4
53595	9.83	0.09	4
53754	8.18	0.12	4
53755	6.42	0.11	5
53756	7.26	0.21	4
-9 ^o 1848	9.94	0.18	3
56800	8.23	0.23	3
56873	10.60	0.18	3

Notes

- HD 52721 : Visual binary (ADS 5713), $\Delta m = 0.7$ mag., sep. = $0''.6$.
 Photometry refers to the combined light of both components.
 HD 53755 : Triple system (ADS 5782), $\Delta m(AB) = 3.9$ mag., sep. (AB) = $6''.5$.
 Photometry refers to the pair AB only.

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