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MINIMA OF SOUTHERN ECLIPSING VARIABLES, 1975 - 1979

SIDING SPRING

The programme of multiband photoelectric observation of neglected Southern eclipsing variables was initiated by the author in 1975 with the 41 cm reflecting telescope and UBV photometer (IP21) at Siding Spring Observatory, New South Wales, Australia. Timing of minima has been the first task of the programme. This paper contains several times of minima as a preliminary result to make them available for further spectroscopic and photometric observations. Several stars showed such a high shift of the time of minimum with respect to the ephemeris (CCVS) that there is no doubt about the variation of the period. The detailed results concerning period variations will be published shortly.

Table I contains the times of primary and secondary minima in heliocentric Julian days. The errors are of the same order as the last digit given in the table but not larger than 0.002 day. The original observational data for all stars will be published as the full reduction of data proceeds. The same applies for the observation of stars with well known variability of their periods observed at the same time span (GL Car, SV Cen, V 523 Sgr, AO Vel). Requests for more detailed data before publication may be directed to the author.

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Table I

Star and Min.	T min (HJD) 2400000.+
V 646 Cen I	43916.1946
TV Nor II	43337.1050
RW Cet I	43459.121
RW CrA I	43342.9212
RW CrA II	43331.977
RS Sgr I	42953.2052
RS Sgr II	43336.097
ZZ Sgr I	43344.9859
X Car I	42771.1012
X Car II	42777.0550
AS Vel I	42781.070
Z Nor I	43343.9897
Z Nor II	43710.909
XZ Sgr I	43335.1574
FV Sco I	42954.0424
SX Sgr I	44048.161
BP Mus I	43928.138