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TIMES OF MAXIMUM LIGHT OF THE β CMa STAR BW VULPECULAE

An extensive study of the times of maximum light of BW Vul was carried out by Valtier (1976). In it he considers all the available photometric and spectroscopic data in view of the importance of establishing rates of period increase for comparison with theoretical models of the stars. Valtier finds that, in agreement with Cherewick and Young (1975), all the observations can be fitted by a unique ephemeris if one considers that the period is linearly increasing with a rate of 1.8 s/century.

In view of the importance of this result, some additional observations were carried out at the Observatorio Jose Arbol y Bonilla, Zacatecas, Mexico, with the 50 cm telescope in the UBV system with a 1P21 uncooled phototube. The comparison stars were HD 199102 and HD 198527, except in 1982 when HD 198820 and HD 198527 were utilized.

Table I lists the new times of maximum light for BW Vulpeculae. The photometric data and the analysis of periodicity will be published elsewhere.

Table I. Times of maximum light of BW Vulpeculae

H.J.D.	H.J.D.	H.J.D.
44117.7225	44153.7070	44475.7782
44142.6620	44155.7220	44500.7160
44143.6560	44157.7378	44505.7409
44144.6560	44159.7490	45230.6945
44146.6773	44163.5651	45231.6977
44149.6950		

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